ALLIED

ELECTRONICS FOR EVERYONE 1965

OUR 44th YEAR
CATALOG 240 B
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knight
C-560 CITIZENS BAND TRANSCEIVER
SQUELCH
SPOT
OFF
RECEIVER
XTAL
TUNE
ANL
OFF
POWER
OFF
ALLIED RADIO, CHICAGO

including the
COMPLETE
knight-kit®
CATALOG
PAGES 1 TO 79

ALLIED RADIO

100 N. WESTERN AVE. • CHICAGO, ILL. 60680 • HA 1-6800 (Area Code 312)

Satisfaction Guaranteed or Your Money Back

NEW
from
knight-kit®
SELECTOR
PHONO
TUNER
TAPE
AUX
VOLUME
BALANCE
TREBLE
BASS

KG-854 Amplifier Shown in Deluxe Oiled Walnut Wood Case

Now . . . Enjoy Stereophonic Sound At Its Finest With Knight-Kit

SOLID STATE STEREO

KG-854 All-Transistor 54-Watt Stereo Amplifier Kit

SUPERB SOUND . . . 108 WATTS PEAK POWER

$79.95 less case

$5 monthly

- Uses 14 Transistors and 2 Silicon Diodes
- Has Precision Self-Resetting Circuit Breakers
- Front-Panel Switched Volume or Loudness Control
- No Output Transformers—Better Bass Response
- Printed Circuitry Has Plug-In Transistor Sockets

For flawless music reproduction, years-ahead features, and styling of lasting beauty, choose the all-new KG-854! Enjoy the strikingly clean and pure sound that only an ultra-reliable, solid-state amplifier offers. There are no output transformers to compromise tonal beauty—you hear extra-powerful, natural bass as well as crystal-clear highs. And, there's virtually no hum, heat, noise or microphonics to mar pleasurable listening.

A large printed circuit board with handy plug-in transistor sockets plus military-type terminal board wiring help to provide remarkably easy assembly. The latest in precision self-resetting circuit breakers afford protection for each channel. 5 pairs of inputs accommodate every need: tape head, magnetic phono, tuner, aux 1 and aux 2. Switch-type loudness control for automatic low-level frequency compensation. Outputs: 8 and 16 ohms; 2 high-impedance for tape recording; front-panel stereo headphone jack.

Controls: selector switch, volume control, balance control, bass, and treble. Switches: channel normal/reverse, loudness control, scratch filter, rumble filter, stereo/mono, power on-off, speaker phase reverse. Measures a compact 2¾x13x11". Sierra Gold and charcoal. With all parts and detailed, step-by-step instructions. Less case, right. For operation from 110-130 v., 60 cycle AC. Shpg. wt., 16 lbs.

83 YX 605-G. *$5 Monthly* **79.95**

SPECIFICATIONS

Rated Power Output: 54-watts, 108-watts peak IHFM music power; 34-watts continuous sine wave.

Frequency Response: ±1 db, 20 cps to 25,000 cps.

Distortion: Harmonic, less than 1%; Intermodulation, less than 1.5%; both measured at rated output.

Hum and Noise: Tuner and Auxiliary, −75 db; Magnetic Phono and Tape Head, −60 db.

Channel Separation: exceeds 40 db.

Inputs: Tape Head (NAB); Magnetic Phono (RIAA); Tuner; Aux. 1; 2.

Sensitivity for Rated Output: Tape Head, 2.5 mv; Magnetic Phono, 3.0 mv; Tuner, .5 volt; Auxiliary 1, .25 volt; Auxiliary 2, 1 volt.

KG-854 Shown in Economy Case

83 YX 079-G. Economy Case. Oiled walnut veneer, 3 sides, ⅜" thick. 6 lbs. **6.95**

83 YX 035-G. Deluxe Case. Oiled walnut veneer, 4 sides, ½" thick. 7 lbs. . . **12.95**

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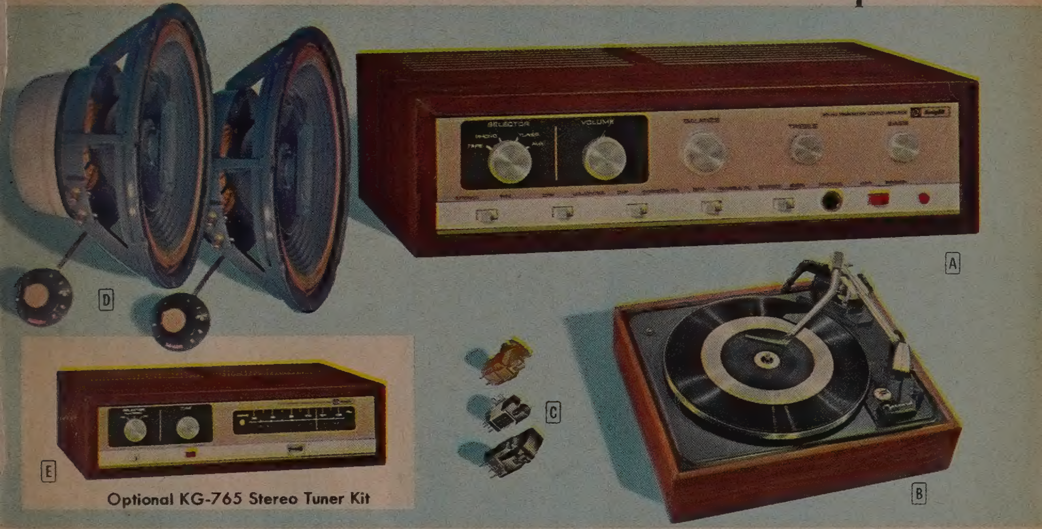
knight-kit®

STEREO HI-FI SYSTEMS

Stereo Hi-Fi Systems Featuring . . . New KG-854 Solid-State Stereo Amplifier Kit



Optional KG-765 Stereo Tuner Kit

Custom 54-Watt Stereo Phono Kit System

Enjoy the full-fidelity performance that top-flight components give. Garrard AT60 handles precious records gently and quietly. Whichever cartridge you choose includes a diamond stylus for long record life. KN-830HC speakers have 12″ woofer and midrange whizzer cone, 13 oz. magnet; horn-type tweeter. 25 to 18,000 cps frequency response. Mounting depth, 6⅜″. Changer base in mahogany, limed oak or walnut—**specify.** Less amplifier case, inside front cover. 61 lbs. Shipped express.
84 HF 500C-G. *$9 Monthly. Specify Cartridge, Base Finish.* **$179.95**

Alternate Systems with Stereo Tuner, Speaker Enclosures

CUSTOM STEREO RADIO/PHONO KIT SYSTEM. Save $31.30. Above, with Ⓔ Knight-Kit KG-765 All-Transistor Stereo FM-AM Tuner Kit (less case, page 5). Changer base in choice of mahogany, limed oak or walnut—**specify.** Wt., 77 lbs. Shipped express. *Specify Cartridge, Base Finish.*
84 HF 501C-G. *$14 Monthly* **274.95**

DELUXE STEREO RADIO/PHONO KIT SYSTEM. Save $35.10. Above, but also includes Ⓕ Two Knight KN-1286 Shelf Speaker Enclosures in Walnut (14¾x24x12″), plus Deluxe Oiled Walnut Wood Cases for KG-854 Amplifier and KG-765 Tuner. Changer base in walnut. 151 lbs. Express.
84 HF 503-G. *$17 Monthly* **346.95**

DELUXE STEREO PHONO KIT SYSTEM. Save $29.20. Same as Custom Stereo Phono System described above, but includes Ⓕ Two Knight KN-1286 Shelf Speaker Enclosures in Walnut (14¾x24x12″), plus KG-854 Deluxe Oiled Walnut Wood Case. Walnut changer base. 128 lbs. Express.
84 HF 502-G. *$12 Monthly. Specify Cartridge* **239.95**

USE YOUR CREDIT FUND—SEE PAGE 465

Save $26.35

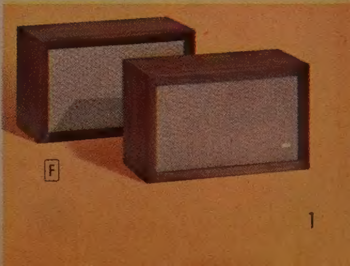
$179⁹⁵

$9 monthly

SOLID-STATE STEREO

- Ⓐ Knight-Kit KG-854 54-Watt Transistor Stereo Amplifier Kit (Less Case)
- Ⓑ Garrard AT60 4-Speed Record Changer with Base (Choice of 3 Finishes)
- Ⓒ Choice of Cartridge: Empire 880, Pickering V-15/AT-1, or Shure M7/N21D
- Ⓓ Two Knight KN-830HC 12″ High-Compliance 3-Way Hi-Fi Speakers

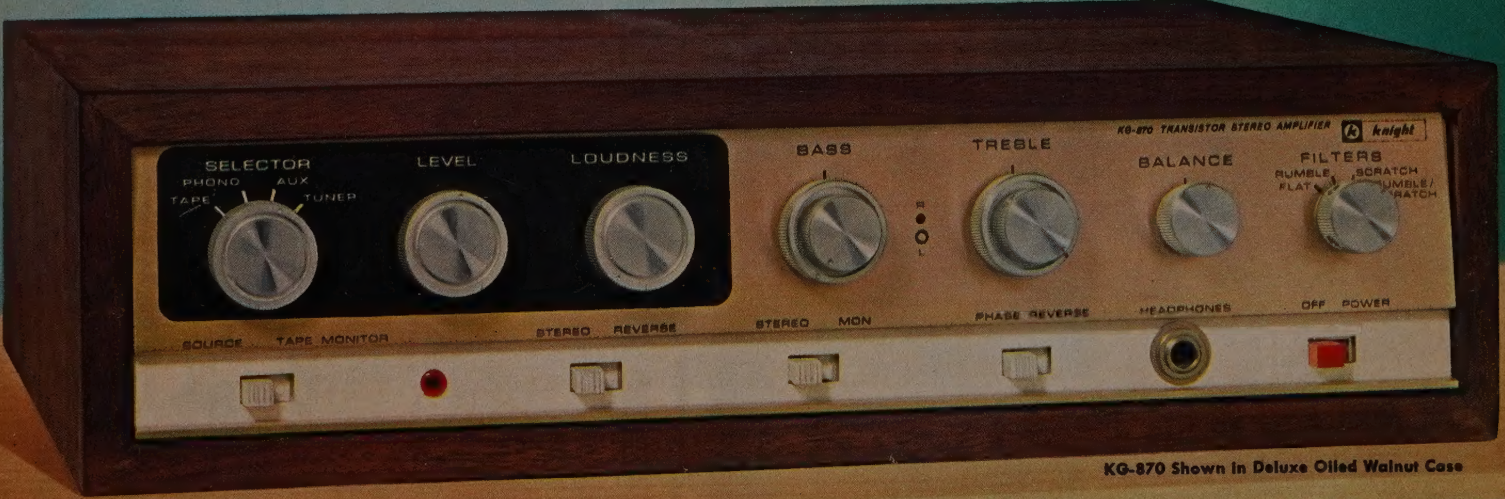
All Cable, Plugs, Instructions



knight-kit
STEREO HIGH-FIDELITY

Solid-State Stereo Amplifier

KG-870 DELUXE ALL-TRANSISTOR 70-WATT STEREO AMPLIFIER KIT SETS NEW STANDARDS IN THE ART OF PURE MUSIC REPRODUCTION!


SELECTOR
PHONO
AUX
TAPE
TUNER
LEVEL
LOUDNESS
BASS
R
L
TREBLE
KG-870 TRANSISTOR STEREO AMPLIFIER
knight
BALANCE
FILTERS
RUMBLE
SCRATCH
FLAT
RUMBLE/SCRATCH
SOURCE
TAPE MONITOR
STEREO
REVERSE
STEREO
MON
PHASE REVERSE
HEADPHONES
OFF
POWER

KG-870 Shown in Deluxe Oiled Walnut Case

KG-870 Shown in Economy Oiled Walnut Case

THE FINEST AMPLIFIER THAT KNIGHT-KIT— ORIGINATOR OF ALL-TRANSISTOR HI-FI IN KIT FORM—HAS TO OFFER

$99.95 less case

$5 monthly

KG-870 All-Transistor 70-Watt Stereo Amplifier Kit

DEVELOPS A MIGHTY

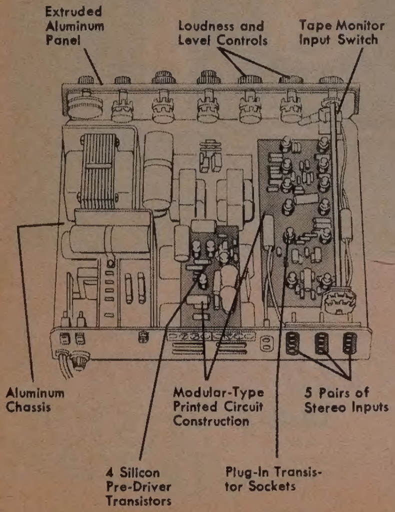
140 WATTS OF PEAK POWER

FOR SUPERB SOUND!

$99.95 less case

$5 monthly

LOOK AT ALL THESE DELUXE FEATURES!


Extruded Aluminum Panel
Loudness and Level Controls
Tape Monitor Input Switch
Aluminum Chassis
Modular-Type Printed Circuit Construction
5 Pairs of Stereo Inputs
4 Silicon Pre-Driver Transistors
Plug-In Transistor Sockets

FINEST SOUND AND DISTINCTIVE STYLING

- Uses 22 Transistors and 4 Silicon Diodes for Top Performance
- No Output Transformers or Blocking Capacitors—Superb Bass
- Loudness Control for Optimum Response at Low Listening Levels
- Absolutely No Microphonics—Virtually No Hum, Noise or Heat

From across the land comes enthusiastic praise for the KG-870—a superb stereo amplifier kit embodying the latest advancements of the audio art. Through its solid-state circuitry, the KG-870 brings you unparalleled enjoyment of your favorite music. 26 premium semiconductors guarantee thrillingly realistic high-fidelity performance; virtually eliminate heat, hum and extraneous noise; and account for the amazing compactness of this unit (measures only 2¾" high). They also provide absolute freedom from microphonics and mechanical noises and instant operation.

The KG-870 develops a powerful 70-watt IHFM music power output—a magnificent 140 watts of peak power. And there are no output transformers or DC blocking capacitors in the output stage to compromise tonal beauty of your favorite musical selections. Reproduction is so clean and pure that it actually must be heard to be believed. In addition, such spectacular Knight-Kit "PLUS" features as modular printed circuits and plug-in transistor sockets assure you of fast, easy assembly.

5 pairs of stereo inputs: tape head, magnetic phono, tuner, aux 1 and aux 2. Has loudness control for full-range response at low listening levels; rumble and scratch filter selector; dual concentric bass and treble controls for each channel; and front-panel jack for stereo headphones. 2¾x13x11". Sierra Gold and charcoal panel. With all parts, instructions. Less case, below. For 110-130 v., 60 cycle AC. Wt., 19 lbs.

83 YX 603-G. *$5 Monthly* **99.95**

83 YU 548-G. Above, factory assembled. *$8 Monthly* **149.95**

83 YX 035-G. Deluxe Wood Case. Oiled walnut veneer. 4-sided case of ½" construction. 7 lbs **12.95**

83 YX 079-G. Economy Wood Case. Oiled walnut veneer. 3-sided case is ⅜" thick. 6 lbs **6.95**

83 YX 036-G. Metal Case. Brown finish. 6 lbs **4.95**

SPECIFICATIONS

Power Output: IHFM Music Power, 70 watts; 35 watts per channel; 140 watts peak. Continuous Sine Wave Power, 28 watts per channel. For use with 8, 16-ohm speakers. **Frequency Response:** ±1 db, 20 to 25,000 cps at rated power output. **Distortion:** Harmonic, 0.5%; IM, less than 1%; measured at rated power output. **Hum Level:** Tuner, —80 db; Magnetic Phono, —68 db; Tape Head, —60 db. **Channel Separation:** 40 db. **Inputs:** Tape Head (NAB); Magnetic Phono (RIAA); Tuner; Aux 1; Aux 2.

Transistor Sound Brings These Advantages to Hi-Fi Enthusiasts!

The sound of an all-transistor amplifier is cleaner, purer and more realistic than you ever dreamed possible. Why? Knight-Kit transistor amplifiers use direct coupling between the output stage and your speakers. There are no output transformers or DC blocking capacitors to mar faithful sound. Even lowest tones of orchestral passages and organs are reproduced with magnificent realism. Mid-range frequencies come through with a sparkling clarity that provides a true sense of "presence." Highs have an unusual "brilliance" unclouded by any strident harshness. Let Knight-Kit engineering skill and the latest in space-age solid state research bring you the ultimate in concert-hall realism right in your own home. Build the KG-870.

Everybody's Talking About the KG-870!

"The unit works excellently. I especially liked the 'level' and 'loudness' controls over a volume control."
A.C., CALIFORNIA

"Perfect—This is the first kit I have ever assembled."
W.M., PENNSYLVANIA

"Excellent . . . Beyond expectations."
R.B., WISCONSIN

"This was by far the best kit I have ever built."
G.B., TEXAS

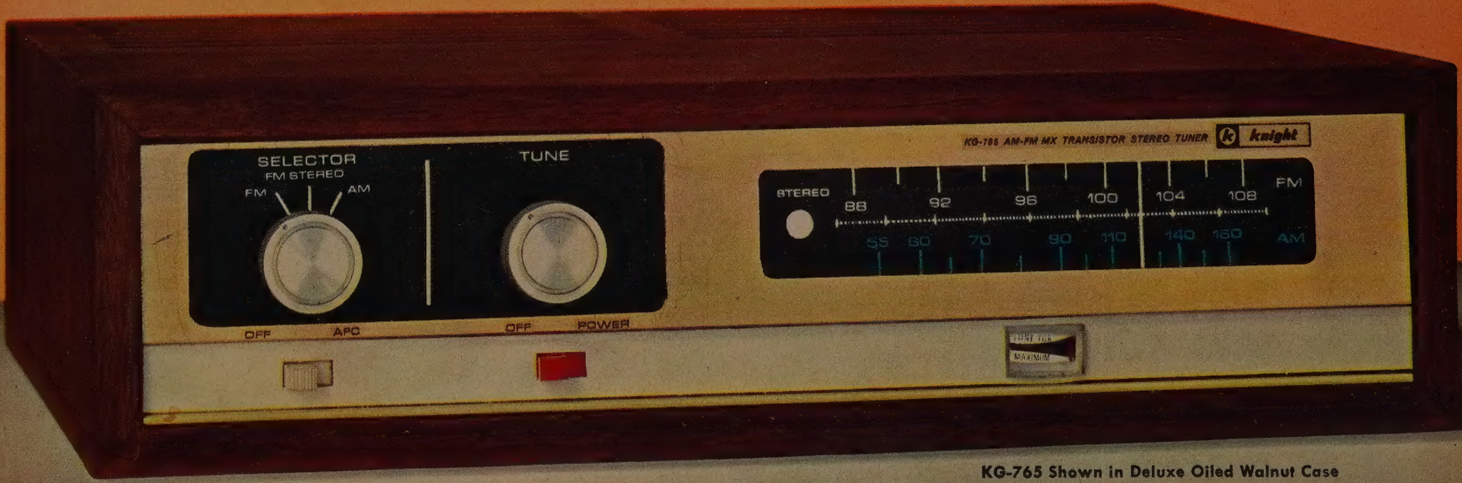
"Having built several kits in the past, I found this one to be the best laid out, and the easiest one to follow (construction-wise)."
E.B., MICHIGAN

"The sound is of the utmost quality . . . much easier than other kits I have built."
G.B., IDAHO

NEW from knight-kit

Solid-State Stereo Tuner

KG-765 DELUXE ALL-TRANSISTOR STEREO FM-AM TUNER KIT


KG-765 AM-FM MX TRANSISTOR STEREO TUNER
knight
SELECTOR
FM STEREO
FM
AM
TUNE
OFF
APC
OFF
POWER
STEREO
88
92
96
100
104
108
FM
55
60
70
90
110
140
160
AM
TUNE FOR
MAXIMUM

KG-765 Shown in Deluxe Oiled Walnut Case

KG-765 Shown in Economy Oiled Walnut Case

WHY TRANSISTORS?

Knight-Kit's solid-state transistor design offers you many advantages over conventional equipment. Sound is cleaner, purer than you ever dreamed possible. Heat, a prime cause of service problems, is virtually eliminated—and only a minimum of ventilation is required. You get: day-in and day-out reliability; freedom from extraneous noise; economical operation; compact size; exceptional stability. And transistorized circuits give you instant operation—no warm-up needed.

$99.95 less case

$5 monthly

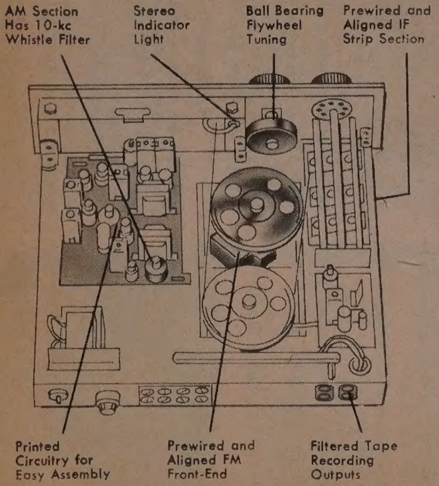
KG-765 All-Transistor Stereo FM-AM Tuner Kit

for the most exciting stereo performances ever heard, choose the finest transistor tuner kit we've ever made!

$99.95 less case

$5 monthly

JUST LOOK AT THESE OUTSTANDING FEATURES!


AM Section Has 10-kc Whistle Filter
Stereo Indicator Light
Ball Bearing Flywheel Tuning
Prewired and Aligned IF Strip Section
Printed Circuitry for Easy Assembly
Prewired and Aligned FM Front-End
Filtered Tape Recording Outputs

- 14 Transistors and 18 Diodes in Latest Space-Age Circuitry
- IF Strip and FM Front-End Are Factory Assembled and Aligned
- Has Automatic Stereo Multiplex Indicator Light
- Has Deluxe FM-AM Signal-Strength Tuning Meter

Another great new solid-state component in kit form . . . transistorized stereo tuner incorporating the latest developments in audio technology. Gives you breath-taking stereo multiplex FM, conventional wideband FM, and highly sensitive AM.

Uses no tubes—you enjoy virtual elimination of heat and hum, freedom from annoying microphonics, instant operation, low current drain, and fantastic durability. And, you get spectacular Knight-Kit "plus" features for fast, easy assembly: both the FM front-end and IF circuits come to you wired and aligned. Advanced, modular design using the finest printed circuitry and quality-selected parts gives you the highest level of performance attainable in a tuner kit. Also includes: low-impedance outputs that allow long cable runs without loss; well-filtered stereo tape recording outputs for making flawless tapes; tuning meter for both FM and AM signals; effortless flywheel tuning; automatic stereo indicator light; and edge-lighted dial.

Tuned RF stages on FM and AM. FM circuit has 3 wideband IF stages, noise limiter, wideband ratio detector. Has AFC to "lock-in" stations as well as automatic gain control that maintains steady listening level. On AM, 10-kc IF bandwidth assures top fidelity; 10-kc whistle filter stops "beat" notes with distant stations. 2¾x13x11". With 2 audio cables, wire, solder, instructions. Less case, below. For 110-130 v., 60 cycle AC. 16 lbs.

83 YX 765-G. *$5 Monthly* **99.95**

83 YU 556-G. Factory Assembled KG-765. *$8 Monthly* **149.95**

83 YX 082-G. Economy Wood Case. Oiled walnut. 3 sides; ⅜" thickness. Shpg. wt., 6 lbs. **6.95**

83 YX 081-G. Deluxe Wood Case. Oiled walnut. 4 sides; solid ½" thickness. Shpg. wt., 7 lbs. **12.95**

83 YX 084-G. Brown Metal Case. Shpg. wt., 6 lbs. **4.95**

KG-765 TUNER SPECIFICATIONS

FM SECTION. Usable IHFM Sensitivity: 2.5 µv for 30 db quieting. **Response:** ±1 db, 20-20,000 cps. **Harmonic Distortion:** less than 1.0%. **Hum and Noise:** 55 db below 1 volt. **Bandwidth:** 250 kc. **Capture Ratio:** 9 db. **IF Rejection:** 70 db. **Image Rejection:** 30 db. **AM Suppression:** 30 db. **Channel Separation:** 30 db. **Antenna:** external 300-ohm twin-line folded dipole. **AM SECTION. Sensitivity:** 3 µv for 10 db signal-to-noise ratio. **Bandwidth:** 10 kc at 6 db down points. **Hum and Noise:** 40 db below 1 volt. **Distortion:** less than 1.0%. **Image Rejection:** 40 db. **IF Rejection:** 55 db. **Antenna:** ferrite loopstick; provision for external antenna.

SAVE—Buy the KG-870 70-Watt Stereo Amplifier Kit and KG-765 Stereo FM-AM Tuner Kit Together!

Both For $194.90 Save $5.00

$10 monthly

Two brilliant performers at an unbeatable price! Knight-Kit's KG-870 All-Transistor 70-Watt Stereo Amplifier and KG-765 All-Transistor Stereo FM-AM Tuner Kit are perfectly matched electrically and in physical dimensions. Each measures a compact 2¾x13x11", ideal for any conceivable mounting arrangement. The KG-870 is fully described on the preceding pages; KG-765, at left. Both kits are supplied with all parts, wire, solder and detailed instructions. Less cases, KG-870, below; KG-765, at left. For 110-130 v., 60 cycle AC. Shpg. wt., 35 lbs.

85 YU 013-2G. *$10 Monthly* **194.90**

83 YX 079-G. Economy Walnut Case. 6 lbs. **6.95**

83 YX 035-G. Deluxe Walnut Case. 7 lbs. **12.95**

83 YX 036-G. Brown Metal Case. 6 lbs. **4.95**

See pages 6 and 7 for a complete selection of KG-870 and KG-765 hi-fi systems.

knight-kit
STEREO HI-FI SYSTEMS

70-Watt Solid-State Stereo Hi-Fi Systems

B

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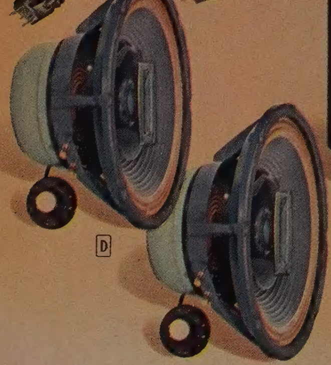

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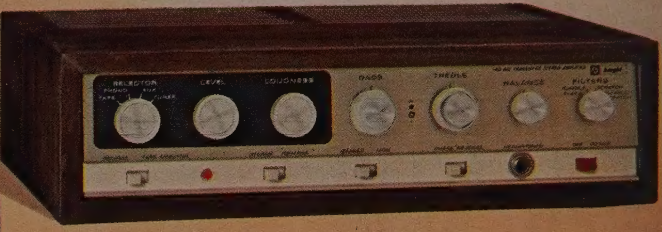


Model KG-870 70-Watt Stereo Hi-Fi Amplifier Kit Shown in Optional Deluxe Walnut Case

E

Optional KG-765 Stereo Tuner Kit

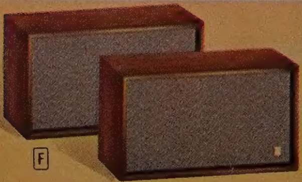
Save $31.80

$194⁵⁰

$10 monthly

- Ⓐ Knight-Kit Model KG-870 Deluxe Solid-State 70-Watt Stereo Amplifier Kit (Less Case)
- Ⓑ Garrard Model AT-60 4-Speed Record Changer on Wood Base
- Ⓒ Choice of Empire 880, Pickering V-15/AT-1, or Shure M7/N21D
- Ⓓ Two Knight KN-830HC 12″ 3-Way Hi-Fi Speakers

Plus Cables, Allied's System Booklet

F


70-Watt Custom Stereo Phono System—140 Watts Peak

Great sound, striking styling and exceptional versatility—this perfectly matched music system gives you the most for your hi-fi dollar. The remarkable KG-870 has a full complement of stereo inputs and controls, plus plenty of reserve power to reproduce even the most difficult music passages without distortion. Garrard changer intermixes all size records of the same speed. Cartridge with diamond needle brings out the best from all your records. KN-830HC Speakers each have 12″ high-compliance woofer with husky 13-ounce ceramic magnet and 1¼″ voice coil. Midrange propagator, and compression tweeter. Provide 25-18,000 cps response. Perform well in shelf or floor enclosures. Mounting depth is just 6⅜″. Changer base in choice of mahogany, walnut or limed oak—**specify finish.** Amplifier kit less case, see page 3. Shpg. wt., 64 lbs. Shipped express.
84 HF 516C-G. Specify Cartridge, Changer Base Finish. $10 Monthly **194.50**

84 HF 517C-G. Stereo Radio/Phono System—Save $36.30. Above, plus Ⓔ **Knight-Kit KG-765 Stereo FM-AM Tuner Kit (less case, page 5).** Provides sensitive reproduction of stereo FM, mono FM, plus AM. 80 lbs. Express. **Specify Cartridge and Changer Base Finish.** $15 Monthly **289.95**

Alternate Systems with Shelf Speaker System Kits

Save $34.65. Same as 70-watt custom phono system, above, but with Ⓕ **Two Knight KN-3030K 3-Way Unfinished Walnut Shelf Speaker System Kits, Deluxe Walnut Cabinet for KG-870 Kit, Walnut Changer Base.** Speakers are a compact 14½x24x10″. Shpg. wt., 111 lbs. Shipped express.
84 HF 518-G. Specify Cartridge. *$12 Monthly* **239.50**

84 HF 519-G. Stereo Radio/Phono System—Save $40.55. Above, plus Ⓔ **Knight-Kit KG-765 Tuner Kit, Deluxe Walnut Case.** 134 lbs. **Specify Cartridge** **346.50**

See Pages 2 and 3 for a Full Description of KG-870

Deluxe Solid-State Systems

140 WATTS PEAK

FINEST 70-WATT PHONO SYSTEM

$369.95 $17 monthly **Save $49.20**

Optional KG-765 Stereo Tuner

DELUXE 70-WATT PHONO SYSTEM

$294.50 $15 monthly

Save $44.65

70-Watt Phono System

Includes: Ⓐ **Knight-Kit Model KG-870 70-Watt Stereo Amplifier Kit and Deluxe Walnut Case;** Ⓑ **Garrard Deluxe Type A-70 4-Speed Record Changer on Walnut Base;** Ⓒ **Your Choice of Empire 880, Pickering V-15/AT-1, Shure M7/N21D Cartridge;** Ⓓ **Two Knight KN-2260K 3-Way Unfinished Walnut Speaker System Kits.** Includes all required cables and System Booklet.

KG-870 produces a full 70 watts of breathtaking stereo sound. A-70 is the newest model of world's most popular automatic record player—the Type A. Cartridges have diamond needles. KN-2260K's have 12" high-compliance woofer, 8" mid-range, horn tweeter plus tuned-port design. 30-20,000 cps response. 138 lbs. Express.

84 HF 520-G. Specify Cartridge 294.50

84 HF 521-G. Stereo Radio/Phono System—Save $52.10. Above, plus Ⓗ **Knight-Kit KG-765 Stereo FM-AM Tuner Kit, Deluxe Walnut Case.** 161 lbs. Exp.

Specify Cartridge 399.95

70-Watt Shelf Phono System

Includes: Ⓐ **Knight-Kit Model KG-870 Deluxe 70-Watt Stereo Amplifier Kit and Deluxe Walnut Case;** Ⓔ **Garrard Type A-70 4-Speed Record Changer on Walnut Base;** Ⓕ **Choice of Empire 880, Pickering V-15/AT-1, Shure M7/N21D Stereo Cartridges;** Ⓖ **Two Knight KN-2350 3-Way Deluxe Walnut Shelf Speaker Systems.** Includes cables and System Booklet.

The KG-870 brings you flawless music reproduction. Garrard A-70 combines turntable performance with record changer convenience. Cartridge has diamond needle. KN-2350's offer distinctive appearance; 12" high-compliance woofer; midrange; tweeter; 20-20,000 cps. 142 lbs. Express.

84 HF 522-G. Specify Cartridge 369.95

84 HF 523-G. Stereo Radio/Phono System—Save $62.10. Above, plus Ⓗ **Knight-Kit KG-765 Stereo FM-AM Tuner Kit, Deluxe Walnut Case.** Shpg. wt., 165 lbs. Express.

Specify Cartridge 469.95

knight-kit Always Offers You the Most in A Hi-Fi System

5 Advantages of a Knight-Kit Stereo Hi-Fi System:

1. **Easy to Build . . .** all Knight-Kits include "buildability." Easy-to-follow instructions and diagrams allow even beginners to assemble a kit.
2. **You Save More . . .** by building amplifier and/or tuner yourself, and you also get substantial discounts off catalog prices.
3. **Perfectly Matched Components . . .** chosen by Allied's audio experts to bring you superbly balanced stereo sound.
4. **Extras, Too . . .** including free connecting cables and plugs for easy system hookup, and Allied's System Instruction Booklet.
5. **Available on Allied's Credit Fund Plan . . .** for just a small down payment and low monthly terms. See page 465.

Ask Us For Help

Are the components you want shown here? If not, write us for a price quote. You'll get savings comparable to those offered on systems listed on these pages.

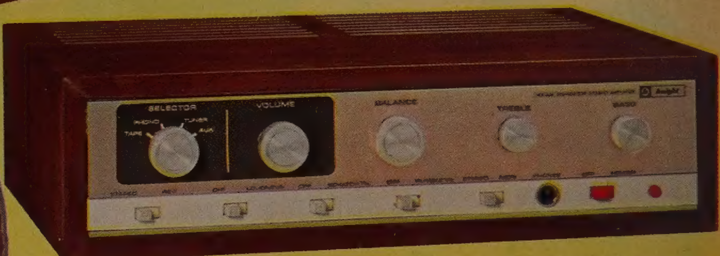
About Ratings

Knight-Kit hi-fi components often use *IHFM* ratings. Other manufacturers may use the term *IHF*. Both terms have the identical meaning.

Express Shipment Recommended for All Music Systems

knight-kit
STEREO HI-FI SYSTEMS

54-Watt Solid-State Stereo Hi-Fi Kit Systems



A Model KG-854 54-Watt Stereo Hi-Fi Amplifier Kit Shown in Deluxe Oiled-Walnut Case

Optional KG-765 Stereo Tuner Kit

Save $24.70

$162.50

$9 monthly

- A Knight-Kit Model KG-854 Solid-State 54-Watt Stereo Amplifier Kit (Less Case)
- B Garrard Model AT-60 4-Speed Record Changer on Wood Base
- C Choice of Empire 880, Pickering V-15/AT-1, or Shure M7/N21D
- D Two Knight KN-822HC 12" 2-Way Hi-Fi Speakers

Plus Cables, Allied's System Booklet

Economy 54-Watt Custom Stereo Phono System

A tremendous value in a superb array of distinctive components. Bring you latest design features, top installation flexibility, plus truly thrilling sound from all of your records. The KG-854, in easy-to-build kit form, offers husky 54-watt IHFM output for brilliant reproduction of any stereo music source. AT-60 combines turntable performance with record changer convenience, has powerful 4-pole motor, precision-balanced pickup arm. Plays all sizes and speeds. The cartridge you choose has a long-lasting diamond needle. KN-822HC's offer high-compliance 12" woofer cone with 13-ounce ceramic magnet, plus whizzer cone for 25-13,000 cps response. Only 6⅜" deep, mount them in shelf or floor enclosures. Changer base in mahogany, walnut or limed oak—**specify finish.** Amplifier less case, see inside front cover. 57 lbs. Express.

84 HF 504C-G. Specify Cartridge, Changer Base Finish. $9 Monthly **162.50**

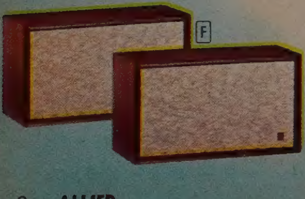
84 HF 505C-G. Stereo Radio/Phono System—Save $27.20. Above, plus E **Knight-Kit KG-765 Stereo FM-AM Tuner Kit (less case, page 5).** Provides sensitive reproduction of stereo FM, mono FM, plus AM. 73 lbs. Shipped express. **Specify Cartridge and Changer Base Finish.** *$13 Monthly* **259.95**

Alternate Systems with Shelf Speaker Systems

Save $34.20. Same as custom phono system, above, but with F **Two Knight KN-2300A Deluxe 3-Way Walnut Shelf Speaker Systems; Deluxe Walnut Case for KG-854 Amplifier Kit; Walnut Changer Base.** Speakers are a compact 16x25x12". Shpg. wt., 134 lbs. Shipped express.

84 HF 506-G. Specify Cartridge. *$15 Monthly* **299.95**

84 HF 507-G. Stereo Radio/Phono System—Save $37.10. Above, plus E **Knight-Kit KG-765 Stereo FM-AM Tuner Kit, and Deluxe Walnut Case.** 157 lbs. Shipped express. **Specify Cartridge.** *$19 Monthly* **409.95**



See Inside Front Cover for Full Description of KG-854

Deluxe 54-Watt Solid-State Stereo Systems

SELECTOR
VOLUME
BALANCE
TREBLE
BASS
Knight

A

FEATURING NEW MODEL KG-854 54-WATT ALL-TRANSISTOR STEREO HI-FI AMPLIFIER KIT

Illustrated in Deluxe
Oiled-Walnut Wood Case

DELUXE PHONO SYSTEM

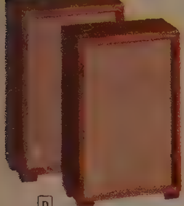
Save $34.20

$284.95

$15 monthly

B

C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E

Alternate Speakers

FINEST PHONO SYSTEM

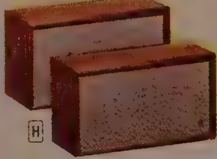
Save $39.20

$359.95

$17 monthly

F

G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J

Alternate Speakers

Deluxe 54-Watt Phono System

- A Knight-Kit Model KG-854 All-Transistor 54-Watt Stereo Amplifier Kit in Deluxe Oiled Walnut Case
- B Garrard A-70 4-Speed Record Changer on Walnut Base
- C Your Choice of Premium Stereo Cartridge—Empire 880, Pickering V-15/AT-1, Shure M7/N21D
- D Two KN-2260K Unfinished Walnut Speaker System Kits

Plus all cables and Allied's System Booklet. The KG-854 has full complement of controls and stereo inputs. A-70 has 4-pole motor, precision balanced pickup arm. Cartridge has diamond needle. KN-2260K's have 12" high-compliance woofer, ¾-lb. ceramic magnet, plus 8" midrange, compression tweeter. 30-20,000 cps response. 25x17x8". 135 lbs. Shipped express.

84 HF 508-G. Specify Cartridge. *$15 Monthly* **284.95**

Alternate System with Custom Speakers

Save $31.25. Above, but E **2—Knight KN-888HC 12" 3-Way Speakers** in place of KN-2260K's. 12" woofer, midrange, horn tweeter, 25-19,000 cps. Amplifier less case. Changer base in mahog., limed oak or walnut—**specify finish.** 72 lbs. Shipped express. *$12 Monthly.*

84 HF 509C-G. Specify Cartridge, Base Finish **224.95**

Finest 54-Watt Shelf Phono System

- A Knight-Kit Model KG-854 All-Transistor 54-Watt Stereo Amplifier Kit in Deluxe Oiled Walnut Case
- F Garrard A-70 4-Speed Record Changer on Walnut Base
- G Your Choice of Premium Stereo Cartridge—Empire 880, Pickering V-15/AT-1, Shure M7/N21D
- H Two KN-2260K Unfinished Walnut Speaker System Kits

Plus all cables and Allied's System Booklet. The KG-854 provides full 54 watts of flawless sound. A-70 handles your records with care. KN-2350 Systems are Knight's finest—12" high-compliance woofer with 1¾-lb. ceramic magnet, dome-type midrange radiator and tweeter. 20 cps to 20,000 cps response. Size, 14x25x12". Shpg. wt., 139 lbs. Shipped express.

84 HF 510-G. Specify Cartridge. *$17 Monthly* **359.95**

Alternate System with Custom Speakers

Save $31.25. Above, but J **2—Knight KN-612HC 3-Way Speakers** in place of KN-2350's. 12" woofer, midrange cone, compression tweeter. 30 cps to 20,000 cps Amplifier less case. Changer base in mahog., limed oak or walnut—**specify.** 102 lbs. Express. *$14 Monthly.*

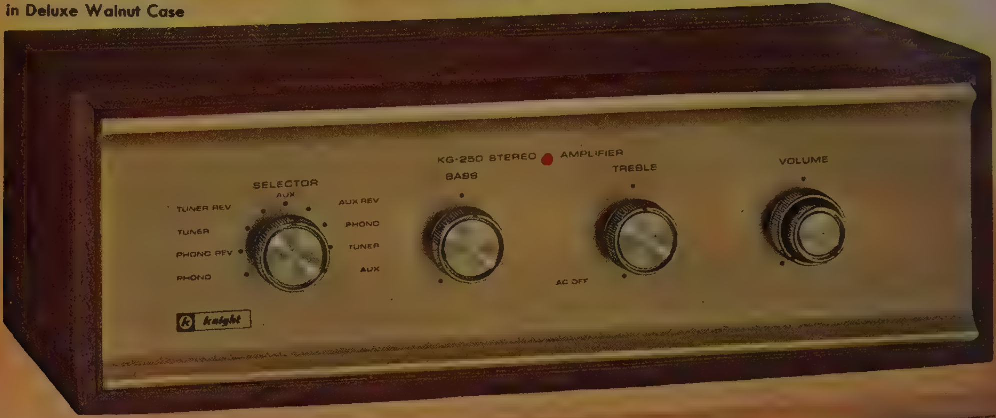
84 HF 511C-G. Specify Cartridge, Base Finish **274.95**

Are the components you want shown in our system listings? If not, write our Audio Division for a price quote. You'll get savings comparable to those offered on systems listed on these pages. You get more for your money at Allied!

knight-kit
STEREO HIGH-FIDELITY

Brings You True Hi-Fi Sound at Lowest Cost

Model KG-250 Shown in Deluxe Walnut Case



less case
$39.95
$5 monthly

- 48-Watts Peak Power Output
- DC Operated Preamp Tube Filaments
- Inputs for Magnetic Phono Cartridge
- Powerful Push-Pull Output Stage
- Extremely Easy to Build and Operate
- Uses Top-Quality Output Transformers

KG-250 Shown in Economy Walnut Case

DELUXE FEATURES:

Concentric Clutch-Type Control Varies Volume of Both or Each Channel

Features Deluxe Front Panel of Solid Extruded, Brushed Aluminum

Selector Chooses Inputs Plus Stereo, Reverse, and Monophonic Modes

KG-250 SPECIFICATIONS

Rated Output Power: 24 watts IHFM; 48 watts peak. 20 watts sine wave.

Response: ±1 db, 30-15,000 cps at rated output.

Harmonic Distortion: less than 1.5% at rated output.

Hum and Noise: Tuner, —65 db; Magnetic Phono, —50 db; measured at rated output.

Inputs and Sensitivity: Magnetic Phono, 6 millivolts; Ceramic Phono, 400 millivolts; Tuner, 1 volt; Auxiliary, 1 volt for full rated output.

Output Impedances: 4, 8, 16 ohms per channel.

Feedback: 13 db negative to reduce distortion.

Channel Separation: better than 45 db.

Tubes: 2—ECC83/12AX7, 4—ECL82, 1—EZ81/6CA4.

Model KG-250 24-Watt Stereo Amplifier Kit

It's the finest 24-watt stereo amplifier kit you can buy at any price! You get all these features: sophisticated Knight-Kit styling, top dollar value, 12 clean watts of IHFM output power on each channel, and simplified point-to-point wiring for the fastest and easiest assembly imaginable. Has built-in, equalized (RIAA) preamplifiers for magnetic phono cartridges that utilize DC-operated tube filaments for lowest hum. Separate boost and cut-type bass and treble controls adjust the tone of both channels at once. A concentric clutch-type control varies volume of both channels separately or simultaneously—compensates for differences in inputs or speakers used. Selector switch instantly chooses stereo, stereo reverse or monophonic modes of operation, as well as phono, tuner or auxiliary inputs. Size, 4⅛ (plus ⅝" feet)x13¼x8½". With easy-to-follow step-by-step instructions. Less case, below. For 110-130 v., 60 cycle AC. Shpg. wt., 16 lbs.
83 YX 317-G. *$5 Monthly* **39.95**

83 YX 030-G. Deluxe Oiled Walnut Wood Case. Top-quality four-sided case. Constructed of sturdy ½" thick wood. Handsome hand-rubbed oiled walnut veneer finish. Shpg. wt., 7 lbs. **9.95**

83 YX 029-G. Economy Walnut Case. Three-sided case, ⅜" thick wood. Oiled walnut veneer. 6 lbs. **6.95**

83 YX 031-G. Metal Case. Brown finish. Wt., 6 lbs. **3.95**

Knight-Kits Feature Pre-Cut Wire

Feature-Value 24-Watt Stereo Music Systems

with the top performing KG-250 Stereo Amplifier Kit

(Shown in Optional Deluxe Walnut Case)

Save $24.25
$99.95
$5 monthly
Optional Speaker Systems
$112.95
$6 monthly
Save $24.75
$184.95
$10 monthly
Save $26.20

Optional KG-50 Stereo FM-AM Tuner Kit

Budget 24-Watt Phono System

Includes: Knight-Kit KG-250 24-Watt Stereo Amplifier Kit; Garrard Model 50 4-Speed Record Changer and Base; Choice of Empire 880, Pickering V-15/AT-1, Shure M7/N21D Stereo Cartridge; Two Knight KN-809A 8" Speakers. Includes all cables and Allied's System Booklet. Model 50 handles records with care. Cartridges have diamond needle. KN-809A speakers feature excellent 50-13,000 cps response. Depth, 3 5/16". Amplifier less case, changer base in mahogany, limed oak or walnut finish. Wt., 41 lbs. Express. Specify Cartridge; Base Finish.

84 HF 528C-G. *$5 Monthly*.... **99.95**

Alternate System

Save $25.41. Above, but 2—Knight KN-3002 Walnut Speaker Systems; Walnut Charger Base, Deluxe Walnut Amplifier Case. 80 lbs. Express. Specify Cartridge.

84 HF 529-G. *$7 Monthly*... **130.74**

Deluxe 24-Watt Phono System

Includes: Knight-Kit KG-250 24-Watt Stereo Amplifier Kit; Knight KN-990A 4-Speed Record Changer and Walnut Base; Choice of Empire 880, Pickering V-15/AT-1; Shure M7/N21D Stereo Cartridge; Two Knight KN-822HC 12" 2-Way Speakers. Includes all cables and Allied's System Booklet. Knight KN-990A plays all speeds and sizes, has 4-pole motor, precision balanced pickup arm. Cartridges have diamond needle. KN-822HC Speakers have 12" woofer with 13-ounce ceramic magnet, whizzer cone for extended 25-13,000 cps response. Mounting depth just 6⅜". Amplifier less case (page 10). 56 lbs. Express. Specify Cartridge.

84 HF 530-G. *$6 Monthly*.... **112.95**

Stereo Radio/Phono System

Save $28.15 Above, plus Knight-Kit KG-50 Stereo FM-AM Tuner Kit (less case; page 13). 71 lbs. Express Specify Cartridge.

84 HF 531-G. *$9 Monthly*.... **179.50**

Finest 24-Watt Phono System

Includes: Knight-Kit KG-250 24-Watt Stereo Amplifier Kit and Deluxe Walnut Case; Garrard AT60 4-Speed Record Changer and Walnut Base; Choice of Empire 880, Pickering V-15/AT-1, Shure M7/N21D Stereo Cartridge; Two Knight KN-3030K 3-Way Unfinished Walnut Speaker System Kits. AT60 combines turntable performance with changer convenience. Has balanced arm, oversize platter. Cartridges have diamond needle. Easy-to-assemble KN-3030K's have 12" woofer, 6" midrange, 3½" tweeter for 35-17,000 cps response. Ready to finish—oil supplied. Compact 14½x24x10". 108 lbs. Express. Specify Cartridge.

84 HF 532-G. *$10 Monthly*... **184.95**

Stereo Radio/Phono System

Save $31.10. Above, plus Knight-Kit KG-50 Stereo FM-AM Tuner Kit and Deluxe Walnut Case. Wt., 130 lbs. Express. Specify Cartridge.

84 HF 533-G. *$13 Monthly*... **259.95**

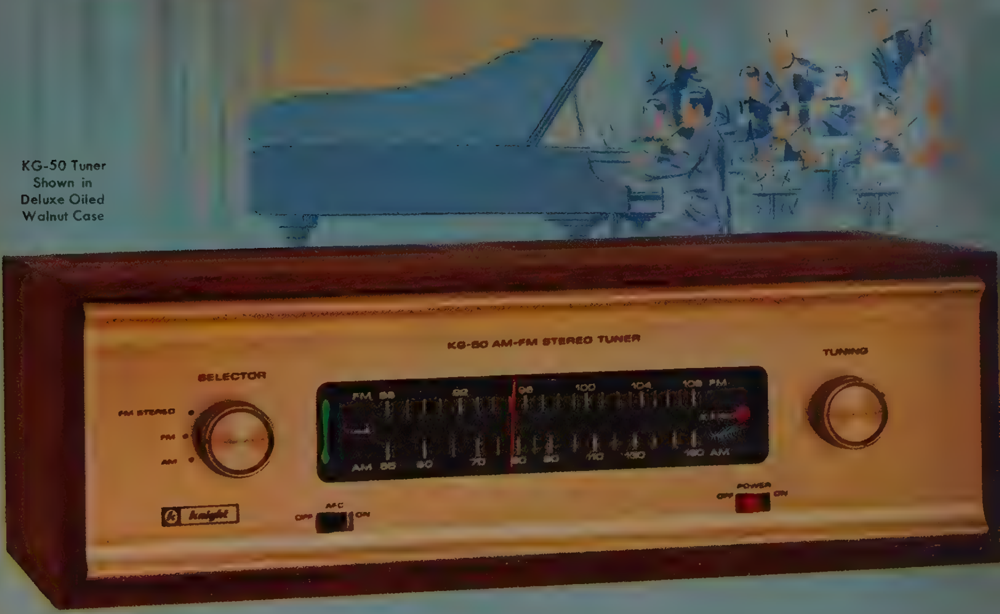
Save on a Knight-Kit hi-fi system that you choose yourself. Write to Allied's Audio Division, stating components you wish. We will review your selection and quote you savings comparable to those on these systems.

knight-kit

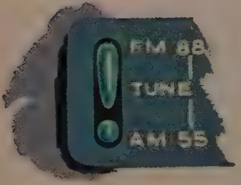
STEREO HI-FI TUNERS

Sparkling Stereo FM Plus AM . . . At Low Cost

KG-50 Tuner Shown in Deluxe Oiled Walnut Case



Lowest Priced Stereo Multiplex FM-AM Tuner Kit Anywhere

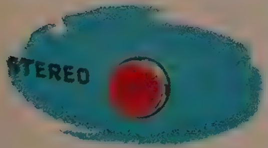


"Exclamation Point" Tuning Eye for Pin-Point Accuracy in Tuning FM

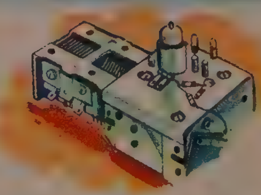
$69.95 less case

$5 monthly

Brings You Flawless Reception of Every Type of Broadcast—Magnificent Stereo FM, Wide-Band Conventional FM, and Sensitive AM—All at Modest Cost!



Panel Indicator Light Flashes on Immediately Whenever a Stereo FM Program Is Received



FM Front-End Is Factory Assembled and Aligned for Perfect Operation and Superb Sound

Optional Wood and Metal Cases for KG-50

Unit Shown in Economy Walnut Case

Economy Oiled Walnut Case

⅜" thickness, 3 sides in oiled walnut veneer. Vented; mitered corners. Wt., 6 lbs.

83 YX 022-G **6.95**

Deluxe Oiled Walnut Case

½" thickness, 4 sides, mitered corners and oiled walnut veneer. Vented. Shpg. wt., 7 lbs.

83 YX 018-G **9.95**

Metal Case

Attractive brown finish. Shpg. wt. 6 lbs.

83 YX 019-G **3.95**

Our Lowest-Cost Stereo Tuner Kit . . . A Great Value

Knight-Kit Model KG-50 Stereo Multiplex FM-AM Tuner Kit

$69.95 less case

$5 monthly

- Factory Assembled/Aligned FM Front End
- AFC for Stable, "Lock-In" FM Tuning
- FM Tuning Eye; Modern Edge-Lit Dial
- Filtered Tape Recording Outputs
- Automatic FM Stereo Indicator Light

The high-styled KG-50 packs a wealth of deluxe features—provides high-fidelity performance at a popular price. Its ultra-modern circuit brings you panoramic stereo FM that literally surrounds you with fabulous sound, superb conventional wide-band FM with pleasing music and drama, plus sensitive reception of news, sports, popular music and weather offered on AM.

Wonderfully easy assembly is assured by neat, point-to-point wiring methods. Entire FM front-end is factory assembled and aligned for perfect operation and peak sensitivity. IF and multiplex coils are factory pre-aligned, too—saves you time and effort. An "exclamation point" tuning indicator is used for pinpoint accuracy in selecting conventional and stereo FM broadcasts. A front-panel stereo indicator light flashes to tell you that a stereo FM program is being received. Other highlights: wideband ratio detector and AFC for rock-stable, drift-free FM; separation control; FM RF stage; built-in ferrite loopstick for AM; and 10-kc IF bandwidth on AM.

The KG-50 also has: low impedance cathode-follower outputs to allow long cable runs to amplifier without loss of higher frequencies; special recording outputs with built-in 38-kc filters for flawless stereo taping; and 8-tube circuitry including 6AG11 compactron, plus tuning indicator and rectifier. Solid, extruded aluminum panel finished in platinum-gold. Size, 4⅛ (plus ⅝" feet) x 13⅞x7¾". With all parts, wire, solder, and detailed step-by-step instructions. Less case, facing page. For 110-130 v., 60 cycle AC. Shpg. wt., 15 lbs.

83 YX 720-G. *$5 Monthly* **69.95**

KG-50 SPECIFICATIONS

FM SECTION

Tuning Range: 88 to 108 megacycles.
Usable IHFM Sensitivity: 3 microvolts for 30 db quieting.
Intermediate Frequency: 10.7 megacycles.
IF and Detector Bandwidth: 200 kc, at 6 db down.
Hum and Noise: 50 db below 1 volt.
Image Rejection: 40 db.
Antenna: 300-ohm impedance twin line.

MULTIPLEX SECTION

Channel Separation: 30 db.
Frequency Response: ±1 db, 50 to 15,000 cps.

AM SECTION

Tuning Range: 550 to 1600 kilocycles.
Sensitivity: 3 microvolts for 10 db signal-to-noise ratio.
Intermediate Frequency: 455 kilocycles.
IF Bandwidth: 10 kilocycles.
Hum and Noise: 40 db below 1 volt.
Image Rejection: 40 db.
Antenna: built-in ferrite loopstick (directional).

GENERAL

Power Consumption: 40 watts.
Tube Complement: 6C9, 6BE6, 6HR6, 6HS6, 6BN8, 6AG11 Compactron, 2—12AU7, also 6X4 Rectifier, DM70 Tuning Indicator.

Save $5.00—Buy the KG-50 Stereo Tuner Kit and KG-250 Stereo Amplifier Kit Together!

$109.90 Value

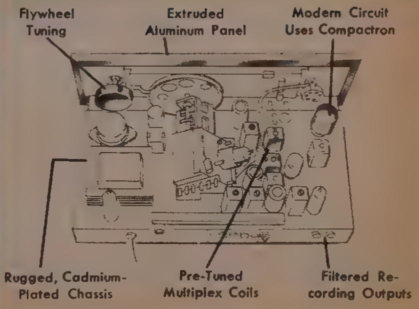
$104.90

$6 monthly

Matching pair offers top-dollar value for you! The KG-50 offers stereo multiplex FM, conventional high-fidelity FM plus the news, weather and sports programs regularly offered on AM. Full description at left. The KG-250 has 24 watts IHFM output (20 watts sine wave) for plenty of room-filling sound. Response is ±1 db, 30-15,000 cps at rated output. Includes inputs for magnetic or ceramic cartridge, tuner, auxiliary. See full description on page 10. Both kits have point-to-point wiring for easy assembly. Include wire, solder and instructions. Less cases (KG-50, facing page; KG-250, below). For 110-130 v., 60 cycle AC. 31 lbs.

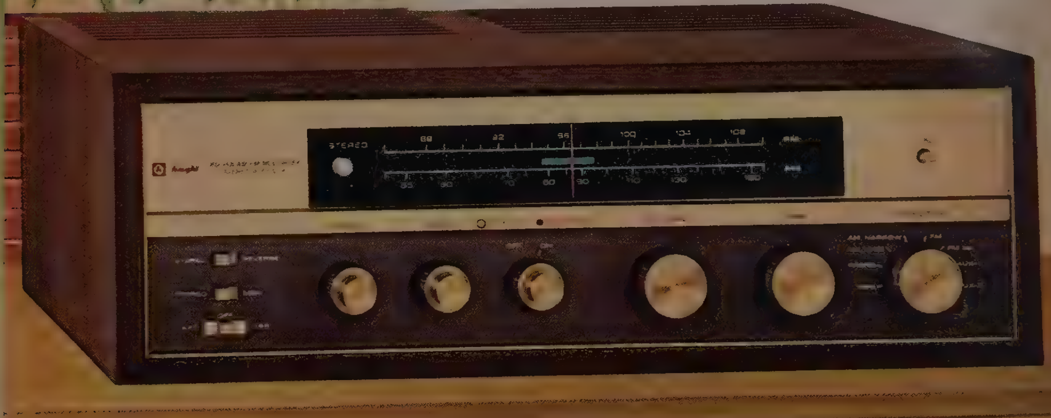
85 YX 010-2G. *$6 Monthly* **104.90**
83 YX 029-G. Economy Wood Case. 6 lbs. . . . **6.95**
83 YX 030-G. Deluxe Wood Case. 7 lbs. **9.95**
83 YX 031-G. Brown Metal Case. 6 lbs. **3.95**

CHECK THESE KG-50 DELUXE FEATURES!


Flywheel Tuning
Extruded Aluminum Panel
Modern Circuit Uses Compactron
Rugged, Cadmium-Plated Chassis
Pre-Tuned Multiplex Coils
Filtered Recording Outputs

knight-kit
STEREO HIGH-FIDELITY

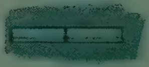
You Enjoy Full-Fidelity Stereo With the KU-45A Receiver Kit!



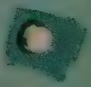
$7 monthly **$139.95** less case

CHECK THESE CUSTOM FEATURES!

Pushbutton Off-On Switch Eliminates Resetting Volume When Unit Is Turned "On".



Bar-Type Tuning "Eye" Offers Pin-Point Tuning Accuracy in Selecting Both FM and AM Stations.



FM Stereo Indicator Flashes on Whenever You're Tuned to a Multiplex Stereocast.

KU-45A SPECIFICATIONS

Amplifier Section—Rated Power Output: 39-watts IHFM, 78-watts peak. 32-watts continuous sine wave.
Response: ±1 db, 30 to 16,000 cps at rated output.
Harmonic Distortion: 1% at rated output.
Hum and Noise: −75 db or better in Tuner position.
Output Impedances: 4, 8, and 16 ohms each channel; 8 and 16 ohms center channel for 3rd speaker.
Tuner Section—FM Sensitivity: 2.5 microvolts usable IHFM for 30 db of quieting.
IF Bandwidth: 200 kc at 3 db down.
IF Image Rejection: 60 db.
Multiplex Channel Separation: 30 db.
AM Sensitivity: 3 microvolts for 10 db S/N ratio.
Tube Complement: 19 plus tuning eye and rectifier.

Model KU-45A 39-Watt Stereo Multiplex FM-AM Receiver Kit

Everything you need for magnificent sound reproduction from all audio sources is found in our exclusive, modestly-priced "Audio Center" kit. On a single chassis you get: 39-watt (78-watt peak) IHFM stereo amplifier; dual preamps with a full set of controls; and wideband FM-AM tuner with the very latest built-in stereo multiplex FM circuit and stereo indicator light. Add only speakers and stereo record changer (or tape transport) to make a complete stereo system for deluxe home entertainment.

FM section has: AFC for "lock-in" tuning; DSR for distortion-free sound; factory assembled and aligned FM front-end for quick, easy assembly with no critical adjustments; and precision-engineered multiplex circuitry for all the beauty and realism of FM stereo. AM section has 3 μv sensitivity for plenty of pull-in power.

Amplifier section boasts tapped-screen linear output for best sound. Has AM loopstick and FM folded-dipole antennas. 4¾x16½x13″. Panel in Satin Gold and Mocha Brown. With all parts, instructions. Less case, below. For 110-130 v., 60 cycle AC. Wt., 30 lbs.

83 YU 752-G. *$7 Monthly*.................... **139.95**
83 YX 021-G. Wood Case. Oiled walnut. 9 lbs........ **14.95**
83 YX 646-G. Metal Case. Beige finish. 7 lbs.......... **4.95**

Use Your Credit Fund to Buy Knight-Kits

Money-Saving Music Systems With KU-45A Receiver Kit

Low-Cost Stereo Radio/Phono Kit System

Nothing Else to Buy—You Save $36.70

- **Ⓐ Knight-Kit KU-45A 39-Watt Stereo Multiplex FM-AM Receiver Kit with Hand-Rubbed Oiled Walnut Case**
- **Ⓑ Knight KN-990A Deluxe 4-Speed Stereo Record Changer and Attractive Oiled Walnut Base**
- **Ⓒ Your Choice of One of Three Deluxe Stereo Cartridges: Empire 880, Pickering V-15/AT-1, or Shure M7/N21D**
- **Ⓓ Two Knight KN-3005 3-Way Speaker Systems in Walnut**

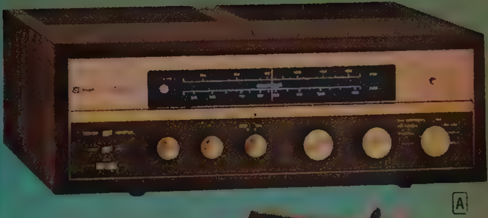
Plus all required cables, plugs, instructions and Allied's System Booklet. You get thrilling stereo from records and FM, plus wideband conventional FM and sensitive AM. Knight KN-990A gently handles records—plays all 4 speeds accurately. Whichever cartridge you choose has a diamond stylus for long record life and minimum wear. KN-3005's have 10" woofer with 6.8 oz. magnets; 6" midrange speakers with 3-oz. magnets; 3½" tweeters with 1½-oz. magnets. Wide-range reproduction—40 to 16,000 cps frequency response. 12x22x8". Shpg. wt., 117 lbs. Shipped express. *Specify Cartridge.*

84 HF 512-G. *$13 Monthly* **249.95**

Alternate System with Speaker System Kits

Save $39.15. Similar to above, except Ⓔ Two Knight KN-3030K 3-Way Unfinished Walnut Speaker System Kits in place of Ⓓ Two KN-3005's. KN-3030K's have 12" woofers with 10-oz. magnets; 6" midrange speakers with 3-oz. magnets; and 3½" tweeters. 35 to 17,000 cps. 14½x24x10". 123 lbs. Shipped express.

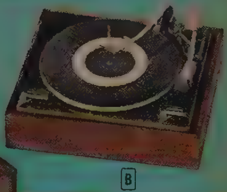
84 HF 513-G. *$14 Monthly. Specify Cartridge*...... **267.50**

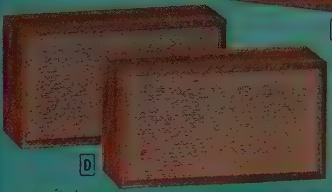


Save $36.70

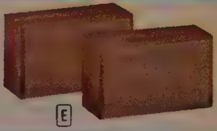
$249⁹⁵

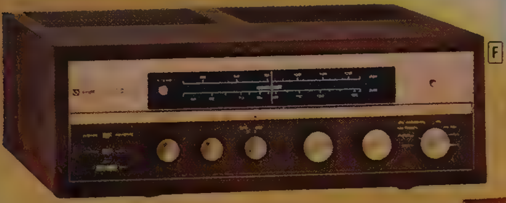
$13 monthly

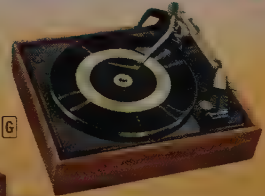




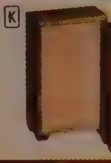
Alternate System Has Knight 3-Way KN-3030K Speaker Systems in Kit Form

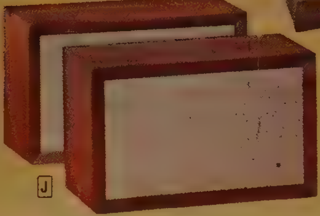






Alternate System Has Knight KN-2260K Speaker Systems





Save $37.10

$274⁹⁵

$14 monthly

Top-Value KU-45A 39-Watt Stereo Radio/Phono Kit System

- **Ⓕ Knight-Kit KU-45A 39-Watt Stereo Multiplex FM-AM Receiver Kit with Hand-Rubbed Oiled Walnut Case**
- **Ⓖ Garrard AT60 4-Speed Automatic Turntable/Record Changer and Attractive Oiled Walnut Base**
- **Ⓗ Your Choice of One of Three Deluxe Stereo Cartridges: Empire 880, Pickering V-15/AT-1 or Shure M7/N21D**
- **Ⓙ Two Knight KN-1286 Vented-Port Walnut Enclosures with Two Knight KN-822HC 12" 2-Way High-Compliance Speakers**

All cables and Allied's System Booklet included. AT60 has heavy-duty motor, balanced tone arm. Each cartridge has diamond stylus. KN-822HC's have 12" cone with 13-oz. magnet, whizzer cone for midrange and highs. 25 to 13,000 cps. Enclosures, 14¾x24x12". 140 lbs. Express.

84 HF 514-G. *$14 Monthly. Specify Cartridge*..... **274.95**

Alternate System with Speaker System Kits

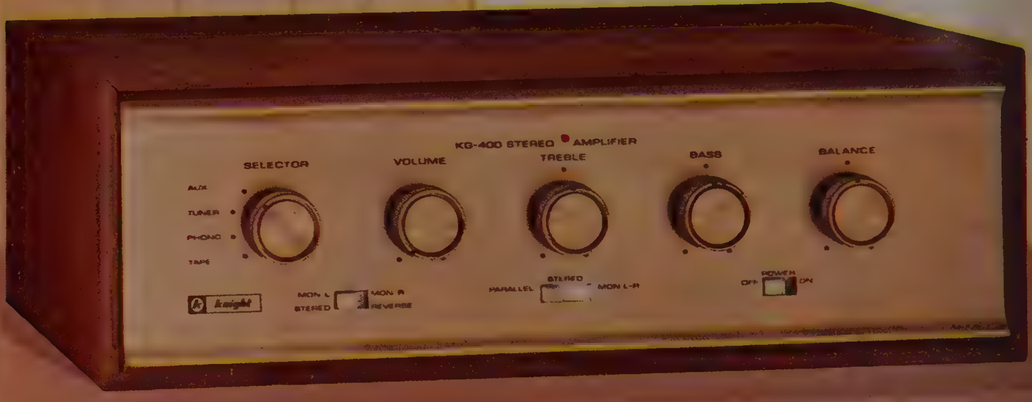
Save $41.20. Above, except Ⓚ Two Knight KN-2260K 3-Way Unfinished Walnut Speaker System Kits in place of Ⓙ Two Knight KN-1286's and KN-822HC's. Have 12" high-compliance woofers, ¾-lb. magnets; 8" midrange speakers, 10-oz. magnets; horn tweeters. 30 to 20,000 cps response. 25x17x8". 144 lbs. Express.

84 HF 515-G *$16 Monthly. Specify Cartridge*...... **314.95**

knight-kit
STEREO HIGH-FIDELITY

The Best Looking, Best Sounding Amplifier Kit In Its Price Class

KG-400 Shown in Deluxe Wood Case



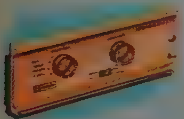
$59⁹⁵ less case

$5 monthly

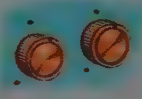
Priced Within Reach of Any Budget . . . Has Every Needed Feature for True Hi-Fi Response . . . Looks and Sounds Like Twice the Price . . .

KG-400 Shown in Economy Wood Case

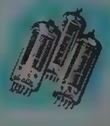
DELUXE FEATURES AT NO EXTRA COST!



Extruded Aluminum Panel Handsomely Finished in Platinum Gold



Ganged Bass and Treble Controls for Precise Tonal Adjustments



DC on Preamp Tube Filaments for Minimum Hum

KG-400 SPECIFICATIONS

Rated Power Output: 39-watts IHFM music power, 78-watts peak; 32-watts continuous sine wave.

Response: ±1 db, 30 to 16,000 cps at rated output.

Harmonic Distortion: less than 1% at rated output.

Hum and Noise: better than 75 db below full output at Tuner, Ceramic Phono and Auxiliary inputs; better than 52 db at Magnetic Phono; better than 45 db at Tape Head

Sensitivity for Rated Output: Magnetic Phono and Tape Head, 2 millivolts; Ceramic Phono, 150 millivolts; Tuner, 200 millivolts; Auxiliary, 500 millivolts.

Tube Complement: 1—7025, 5—ECC83/12AX7, 4—7189, 1—GZ34/5AR4 rectifier.

KG-400 39-Watt Stereo Amplifier Kit

- Includes Balance Control for Precise Stereo Adjustment
- Center Channel Output for Third or Extension Speaker Use
- Tape Outputs Unaffected By Volume or Tone Settings
- Tape Head Inputs (NAB Equalized) for Stereo Tape Deck

Outstanding achievement in a do-it-yourself stereo amplifier. Offers strikingly pure sound reproduction, ease of assembly, and ample power for most speaker systems. Stereo preamp circuit provides RIAA equalization for magnetic cartridges. Inputs for ceramic cartridge, tuner, tape head, plus auxiliary. Full set of controls gives you total command of stereo and monophonic sources. Slide switch parallels channels when playing mono material. Tape recorder outputs unaffected by volume or tone controls. Size, 4¼x14⅜x11¾". Platinum gold panel. With all parts, wire, solder and instructions. Less case, below. For 110-130 v., 60 cycle AC. 21 lbs.

83 YU 413-G. *$5 Monthly*........................**59.95**

83 YX 023-G. Deluxe Wood Case. Oiled walnut veneer. 4 sides; ½" thick. Wt., 8 lbs........................**9.95**

83 YX 078-G. Economy Wood Case. Oiled walnut veneer. 3 sides; ⅜" thick Wt., 6 lbs........................**6.95**

83 YX 024-G. Metal Case. Brown finish. 6 lbs.........**3.95**

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Join Millions of Satisfied ALLIED Customers —
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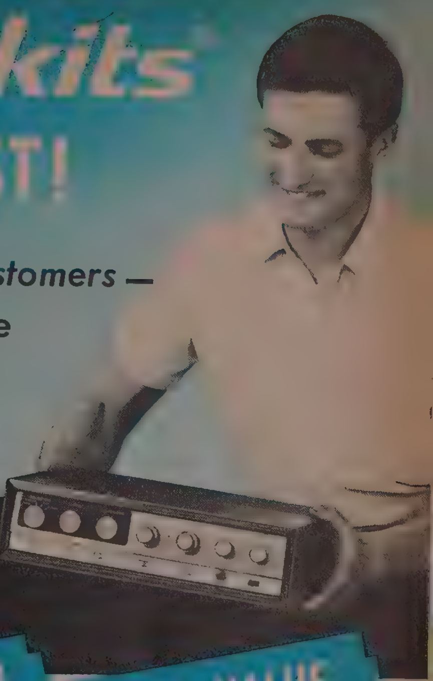

Here's What People are Saying About... *knight-kits*

PERFORMANCE

"Excellent . . . beyond expectation."
R. B.
WISCONSIN

Very impressed with ease of completion and operation."
K. J.
CALIFORNIA

"Performance . . . is far better than you advertise."
J. B.
FLORIDA

"Couldn't work any better."
J. H.
MICHIGAN

"Performed perfectly."
W. H.
ILLINOIS

EASY TO BUILD

"Assembling your kit was very easy . . . very pleased."
D. A.
NOVA SCOTIA

"Excellent . . . built others . . . find your kits easier."
L. D.
NEBRASKA

"Good parts layout . . your kits are superior."
R. S.
ILLINOIS

"No trouble whatsoever . . . instructions well written."
P. P.
TEXAS

"Surprisingly easy to assemble . . . well planned."
J. K.
ILLINOIS

EXTRA VALUE

"Congratulations on a really great value."
J. F.
MICHIGAN

"By far the best of any kit I have ever built."
G. B.
TEXAS

"Never built any kit before . . . worked fine."
C. H.
OHIO

"Had a wonderful time . . . all so educational."
W. T.
MICHIGAN

"Pleasure to build . . . great deal of satisfaction."
R. S.
NEW YORK

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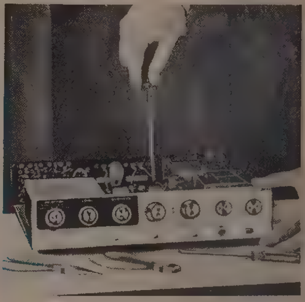
A KIT FOR EVERY INTEREST

Hobby Kits Provide Fun for Young and Old Alike—And They're Educational, Too!



High-Fidelity Components Offer Latest Circuitry Features for Superb Sound

Citizens Band, Amateur Gear, and Test Equipment— Finest Kits Available Anywhere

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2200

Knight-Kits are a product of Knight Electronics, manufacturing subsidiary of Allied Radio. In our spacious, ultra-modern plant, Knight-Kits are quality designed for easiest buildability, professional performance, and maximum value.

in Build-It-Yourself Electronics . . .

knight-kits

THE WORLD'S FINEST EQUIPMENT IN KIT FORM

HERE'S WHY knight-kits ARE EASIEST TO BUILD

Easy-to-Follow step-by-step wiring instructions and picture diagrams guide your every move.

Pre-Cut Wire is cut to the length required and stripped—ready for instant use. As an added convenience, all sizes are color-coded.

Carded Components—resistors, diodes and small capacitors are given an identifying number and mounted on cards. You just remove the part listed by number in the manual.

See-Through Packages for small parts and hardware speeds assembly by eliminating searching. Parts are pre-sorted for you, too.

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★ Finest Performance

★ Savings up to 50%

YOU GET MORE FOR YOUR MONEY WITH knight-kits

MORE in design through experience in research and development . . . MORE in performance through rigid quality control and testing . . . MORE in dependability through use of finest components . . . MORE in appearance through professional styling . . . MORE in assembly ease through careful layouts and well-illustrated, step-by-step instructions.

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Only the finest quality parts are used in Knight-Kits. Every part is fully warranted against defects in material or workmanship for a period of one year.

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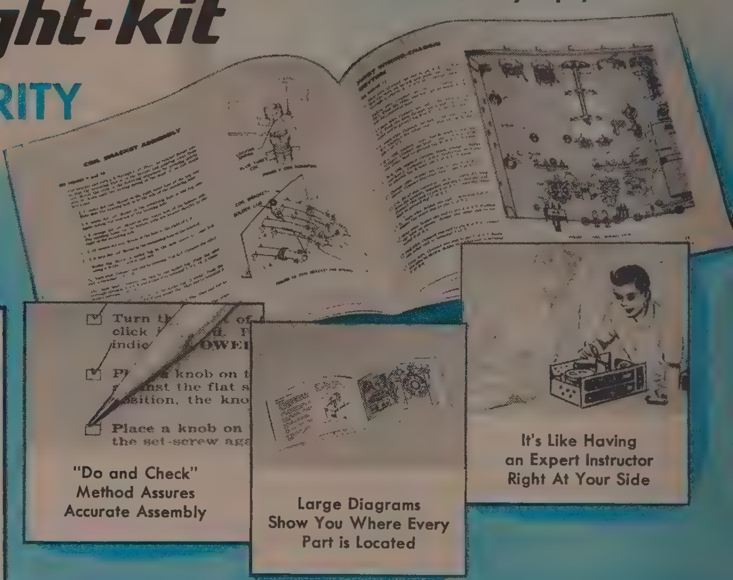
Buy any Knight-Kit. Build it. Operate it. You must be satisfied or we refund your money.

ALLIED RADIO

SEE ACTUAL VISUAL PROOF of *knight-kit* SUPERIORITY

ORDER THE MANUAL FOR THE KIT YOU WANT TO BUILD

See for Yourself How Easy It Is to Assemble Quality Equipment



"Do and Check" Method Assures Accurate Assembly

Large Diagrams Show You Where Every Part is Located

It's Like Having an Expert Instructor Right At Your Side

COMPLETE

knight-kit

INDEX

The table below contains an index of Knight-Kits listed in this Catalog. See page indicated for a full description.

ORDER THE KNIGHT-KIT MANUAL OF YOUR CHOICE

HI-FI KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
37 K 292-G	KM-15 12-Watt Hi-Fi Amplifier	20	.25
84 K 002-G	KG-50 Stereo Tuner	12-13	.50
84 K 010-G	KG-320 32-Watt Trans. Stereo Amp.	18	.50
84 K 013-G	KG-765 Transistor Stereo Tuner	4-5	1.00
84 K 015-G	KG-854 54 Watt Trans. Stereo Amp.	Cov. 2	.50
84 K 016-G	KP-70 Stereo Tape Preamplifier	22	.50
84 K 023-G	KG-400 39-Watt Stereo Amplifier	16	.50
84 K 029-G	KG-240 20-Watt Stereo Amplifier	19	.25
84 K 053-G	KG-65 Mono FM-AM Tuner	21	.25
84 K 054-G	KG-35 Mono FM Tuner	21	.25
84 K 055-G	KG-250 24-Watt Stereo Amplifier	10	.25
84 K 057-G	KG-870 70-Watt Trans. Stereo Amp.	3	1.00
84 K 059-G	KU-45A Stereo MX-FM-AM Receiver	14	1.00

ELECTRONIC LAB KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
37 K 289-G	12-in-1 Electronic Lab	40	.25
84 K 035-G	21-in-1 Electronic Lab	40	.25
84 K 047-G	100-in-1 Electronic Lab	41	1.00

AUTOMOTIVE KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
84 K 022-G	KG-375 Auto Analyzer	48	1.00
84 K 038-G	Transistorized Tachometer	49	.25

HOBBY KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
37 K 290-G	Ranger III Table Radio	42	.25
38 K 297-G	Radio Broadcaster/Amplifier	39	.25
38 K 934-G	Photoelectronic Relay	39	.25
84 K 071-G	KG-275 Exposure Meter	43	.25

SHORTWAVE RECEIVER KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
38 K 161-G	6-Band Ocean Hopper	46	.25
38 K 187-G	2-Band Space Spanner	46	.25
38 K 298-G	4-Band Span Master	47	.25
84 K 031-G	5-Band Star Roamer	44	.25

INTERCOM KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
38 K 197-G	Economy 2-Station Intercom	78	.25
84 K 019-G	KG-210 2-Station Transistor Intercom	79	.25
84 K 020-G	KG-225 Transistor Wireless Intercom	77	.25
84 K 030-G	KG-3000 6-Station Intercom Master	78	.25

CITIZENS BAND KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
84 K 005-G	C-560 Deluxe Transceiver	51	1.00
84 K 006-G	C-22 Universal Transceiver	53	.50
84 K 007-G	C-22 110-VAC Transceiver	53	.50
84 K 018-G	KG-4000A Walkie-Talkie	59	.50
84 K 032-G	C-100 Walkie-Talkie	55	.25
84 K 073-G	C-555 Walkie-Talkie	57	.25
84 K 074-G	Ten-2 Citizens Band Checker	64	.25

AMATEUR KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
38 K 296-G	100-KC Crystal Calibrator	74	.25
38 K 852-G	G-30 Grid Dip Meter	74	.25
84 K 011-G	T-60 60-Watt Transmitter	70	.50
84 K 017-G	T-150A 150-Watt Transmitter	66	1.00
84 K 033-G	P-2 SWR/Power Meter	65	.25
84 K 052-G	R-100A Receiver	68	1.00
84 K 056-G	LC-1 Code Practice Oscillator	73	.25
84 K 058-G	R-55A Receiver	71	.50

TEST EQUIPMENT KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
38 K 147-G	Resistance Substitution Box	38	.25
38 K 148-G	Capacitance Substitution Box	38	.25
38 K 168-G	20,000 Ohms/Volt VOM	26	.25
38 K 199-G	Transistor/Diode Checker	38	.25
38 K 884-G	Pocket VOM	27	.25
84 K 008-G	KG-2000 DC to 5 Mc Oscilloscope	33	1.00
84 K 034-G	400A Economy Tube Tester	27	.25
84 K 060-G	KG-600B Tube Tester	29	.50
84 K 061-G	KG-660 6V-12V Battery Eliminator	30	.25
84 K 062-G	KG-620 VTVM	25	.25
84 K 063-G	KG-625 Deluxe 6″ VTVM	24	.50
84 K 064-G	KG-645 1000 Ohms/Volt VOM	26	.25
84 K 065-G	KG-630 5″ Wideband Oscillocope	31	.50
84 K 066-G	KG-670 Res./Cap. Tester	37	.25
84 K 067-G	KG-650 RF Signal Generator	34	.25
84 K 068-G	KG-680 In-Circuit Cap. Checker	38	.25
84 K 069-G	KG-690 Hi-Gain Signal Tracer	36	.25
84 K 070-G	KG-676 Scope Voltage Calibrator	31	.25
84 K 078-G	KG-652 Sweep Generator	35	.50
84 K 079-G	KG-653 Audio Generator	35	.25
84 K 080-G	KG-667 Flyback Checker	38	.25

Stereo Phono Systems Featuring KG-400 Kit

Economy 39-Watt Stereo Phono Kit System

- [A] **Knight-Kit KG-400 39-Watt Stereo Amplifier Kit (Less Case)**
- [B] **Garrard 50 4-Speed Record Changer and Wood Base**
- [C] **Your Choice of One of Three Deluxe Stereo Cartridges: Empire 880, Pickering V-15/AT-1, or Shure M7/N21D**
- [D] **Two Knight KN-822HC 12" High-Compliance Speakers**

You get all cables, plugs, and Allied's System Instruction Booklet. Garrard Model 50 has oversized turntable and counterweighted arm. Each cartridge features diamond needle. KN-822HC speakers have 12" woofer with whizzer cone and 13-oz. magnet—provide rich reproduction. 25 to 13,000 cps frequency response. Mounting depth, 6⅜". Changer base in mahogany, limed oak or walnut—**specify**. Less amplifier case. 60 lbs. Express. *Specify Cartridge.*

84 HF 524C-G. *$7 Monthly*.................... **129.95**

Alternate with Shelf-Type Speaker Systems

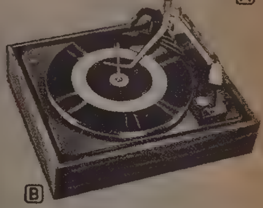
Save $23.35. Above, except [E] Two Knight KN-3005 3-Way Walnut Speaker Systems in place of [D] KN-822HC's. Also includes deluxe oiled walnut case for KG-400 and walnut changer base. KN-3005's have 10" woofer, 6.8-oz. magnet; 6" midrange, 3-oz. magnet; 3½" tweeter, 1½-oz. magnet. 40 to 16,000 cps response. Measure 12x22x8". Wt., 106 lbs. Express. *Specify Cartridge.*

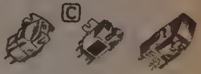
84 HF 525-G. *$9 Monthly*.................... **172.80**

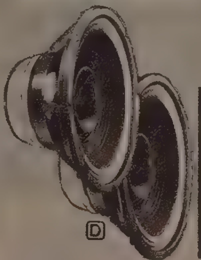
Save $22.25

$129 95

$7 monthly





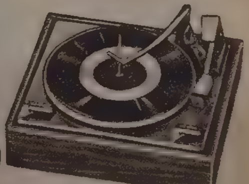


Alternate Speaker Systems

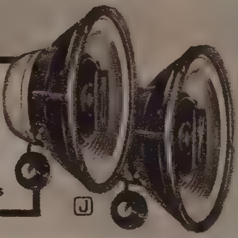
Save $32.30

$144 50

$8 monthly



Alternate Speaker Systems



Top-Performing KG-400 39-Watt Stereo Phono Kit System

- [F] **Knight-Kit KG-400 39-Watt Stereo Amplifier Kit (Less Case)**
- [G] **Knight KN-990A 4-Speed Record Changer and Walnut Base**
- [H] **Your Choice of One of Three Deluxe Stereo Cartridges: Empire 880, Pickering V-15/AT-1 or Shure M7/N21D**
- [J] **Two Knight KN-830HC 12" High-Compliance Speakers**

Includes all cables and plugs plus Allied's System Instruction Booklet. Custom combination delivers wide-range, powerful stereo. KN-990A has balanced pickup arm that tracks flawlessly; heavy-duty motor for on-speed rotation. Whichever cartridge you choose has a diamond needle for long record life and minimum wear. KN-830HC's have 12" woofer with whizzer midrange cone, 13-oz. magnet; horn type tweeter; provide 25 to 18,000 cps response. Mounting depth, 6⅜". Walnut changer base. Less amplifier case, facing page. 65 lbs. Express. *Specify Cartridge.*

84 HF 526-G. *$8 Monthly*.................... **144.50**

Alternate with Shelf-Type Speaker Systems

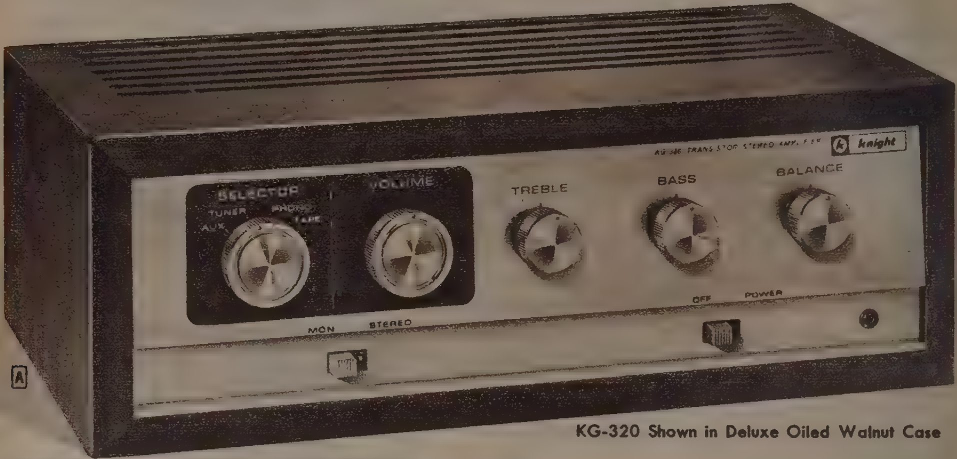
Save $51.70. Above, except [K] Two Knight KN-2300A Deluxe 3-Way Walnut Speaker Systems in place of [J] KN-830HC's. Also includes deluxe oiled walnut case for KG-400 and walnut changer base. KN-2300A's have 12" high-compliance woofer, 1½-lb. magnet; compression-horn midrange, compression hi-frequency radiator. 25 to 20,000 cps frequency response. Measure 16x25x12". Shpg. wt., 139 lbs. Express. *Specify Cartridge.*

84 HF 527-G. *$13 Monthly*.................... **249.95**

Are the components you want shown in our system listings? If not, write our Audio Division for a price quote. You'll get savings comparable to those offered on systems listed on these pages. You always get more for your money at Allied.

knight-kit
STEREO HIGH-FIDELITY

Our Lowest-Cost Stereo Solid-State Amplifier Kit

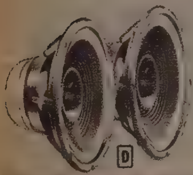


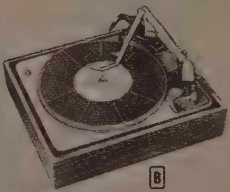
KG-320 Shown in Deluxe Oiled Walnut Case

Custom Phono System

$129.95 $7 monthly

Save $22.25





Alternate

$169.95

Save $26.20 $9 monthly

CUSTOM SYSTEM. Ⓐ Knight-Kit KG-320 (less case); Ⓑ Garrard Model 50 Changer and Base; Ⓒ Choice of Empire 880, Pickering V-15/AT-1 or Shure M7/N21D Cartridge; Ⓓ 2—Knight KN822HC 12″ 2-Way Speakers. Cables, Allied's System Book. 25 to 13,000 cps speaker response. Mounting depth, 6⅜″. Changer base in mahogany, limed oak or walnut—specify. 52 lbs. Shipped express.
84 HF 538C-G. *$7 Monthly. Specify Cartridge* **129.95**

ALTERNATE. Above, with Ⓔ 2—Knight KN-3005 3-Way Walnut Speaker Systems in place of Ⓓ KN-822HC's. 40 to 16,000 cps response. 12x22x8″. With deluxe walnut amplifier case, walnut changer base. 97 lbs. Express.
84 HF 539-G. *$9 Monthly. Specify Cartridge* **169.95**

ECONOMY WOOD CASE. Oiled walnut veneer. 3 sides. ⅜-inch wood construction, vented top. Wt., 6 lbs.
83 YX 077-G **6.95**

KG-320 32-Watt Stereo Amplifier Kit

$59.95 less case

$5 monthly

- Advanced 14 Transistor, 4 Diode Circuit
- Virtually No Heat, Hum or Microphonics
- Direct-Coupled Output—No Output Transformers or DC Blocking Capacitors

Enjoy a new experience in listening pleasure—music reproduction so clear and dramatically different that it must be heard to be believed! The KG-320 uses 14 transistors and 4 diodes in a years-ahead circuit utilizing the magnificent developments of space-age audio technology.

There are no tubes, no output transformers or DC blocking capacitors to limit frequency response. Virtually no hum or extraneous noise. And, there's practically no heat developed—ends ventilation and placement problems. No warm-up time is required—turn on the amplifier and you hear music instantly. Extremely compact and stylish design makes the KG-320 blend well with most any decor.

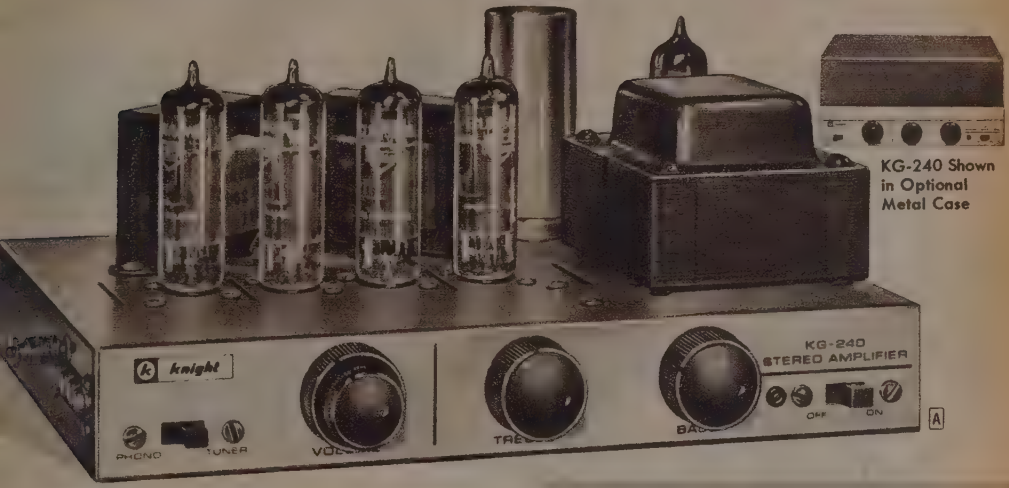
Has 5 paired stereo inputs including tape head; separate ganged bass and treble controls; channel balance control; master volume control; stereo-mono switch; 4-position selector switch; power on-off. Tape recorder outputs and 2 switched AC outlets on rear. 2¾x10x8½″. Extruded aluminum panel in Sierra Gold and charcoal. With all parts, detailed instructions. Less case, below. For 110-130 v., 60 cycle AC. Shpg. wt., 13 lbs.
83 YX 601-G. *$5 Monthly* **59.95**

83 YX 016-G. Deluxe Wood Case. Oiled walnut veneer. 4 sides; ½-inch thick wood construction. 7 lbs. **9.95**

KG-320 SPECIFICATIONS

Output: 32 watts IHFM music power, 64 watts peak; 24 watts continuous. **Response:** ±1 db, 25 to 18,000 cps at rated output. **Harmonic Distortion:** 1% at rated output. **IM Distortion:** 1.5%. **Output Impedance:** matches 8 or 16-ohm loads. **Hum and Noise:** –75 db. **Separation:** 40 db or better. **Bass and Treble Boost:** 10 db. **Bass and Treble Cut:** 16 db. **Power Consumption.** 10 watts, no signal.

Music Lovers Bargain! Our KG-240 20-Watt Stereo Amplifier Kit Offers Top Fidelity at Low Cost



KG-240 Shown in Optional Metal Case

KG-240 20-Watt Stereo Amplifier Kit

- 10 Watts Per Channel IHFM Music Power
- Stereo Inputs for Tuner, Ceramic Phono
- Has Ganged Bass and Treble Tone Controls
- Dual Concentric Volume Control for Balance

$26.95 less cover

$5 monthly

Heartily recommended for economy stereo music systems. Provides 10 watts per channel IHFM music power—more than adequate for most homes, basements, or rumpus rooms. Has two pairs of stereo inputs to accommodate tuner and ceramic phono—selected by front-panel slide switch.

Ganged bass and treble controls for both channels let you easily make accurate tonal adjustments to suit your listening pleasure. Convenient dual concentric volume control allows fast and simple channel balancing, and compensates for the positioning of your speakers and for room acoustics. Premium-quality ECL86 output tubes in push-pull circuitry provide plenty of distortion-free, high-fidelity sound reproduction.

All controls are front-panel mounted for utmost convenience. Screw-type terminals for 8 and 16-ohm speakers, and AC outlet, are located on the rear. 5x10x7". Platinum bronze, with white escutcheon, black knobs and chrome trim. Fused, transformer-operated power supply. With all parts and detailed instructions. Less cover, below. For 110-130 v., 60 cycle AC. Wt., 14 lbs.

83 YX 602-G. *$5 Monthly* **26.95**

83 YX 020-G. Perforated Metal Cover. Gray. 5 lbs...... **3.95**

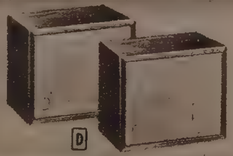
KG-240 SPECIFICATIONS

Rated Power Output: 20-watts IHFM music power, 40-watts peak. **Frequency Response:** ±1½ db, 35 to 15,000 cps. **Harmonic Distortion:** less than 1.5% at 20 watts with 1 kc input. **Hum and Noise:** 60 db below 20 watts. **Sensitivity for Rated Output:** ½ volt, Ceramic Phono or Tuner input. **Separation:** 35 db. **Treble Cut;** 10 db at 15 kc. **Bass Boost:** 10 db at 100 cps. **Output Impedance:** 8 and 16 ohms. **Tube Complement:** Four ECL86, One EZ81/6CA4 rectifier.

Custom Phono System

$59.95 $5 monthly

Save $4.85



Alternate System

$81.50 $5 monthly

Save $5.30

Custom 20-Watt Stereo Phono Kit System

Ⓐ Knight-Kit KG-240 20-Watt Stereo Amplifier Kit (Less Case)
Ⓑ Allied "66" 4-Speed Changer, Cartridge (Less Base)
Ⓒ Two Knight KN-809A 8" High-Fidelity Speakers

Plus cables, plugs, Allied's System Booklet. Changer shuts off after last record; turnover cartridge; sapphire needles. KN-809A's have 8" woofer with whizzer cone for response of 50 to 13,000 cps. Depth, 3 5/16". 35 lbs.

84 HF 536-G. *$5 Monthly.* Shipped express........ **59.95**

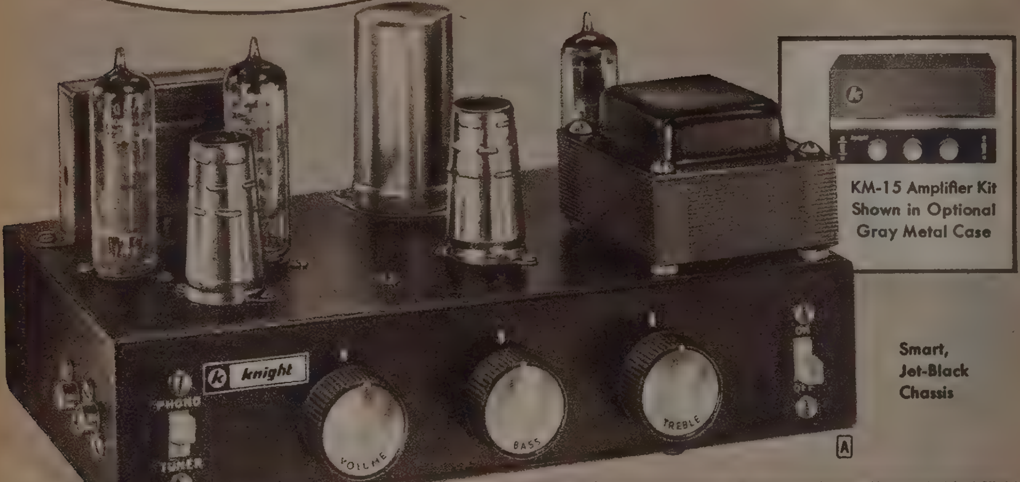
ALTERNATE SYSTEM. Above, with Ⓓ Two Knight KN-3002 2-Way Walnut Speaker Systems in place of Ⓒ KN-809A's. Have 8" woofer with separate 3½" tweeter for extended 50 to 15,000 cps response. 12⅜x15x9". 67 lbs.

84 HF 537-G. *$5 Monthly.* Shipped express........ **81.50**

95 DX 610C-G. Allied "66" Changer Base. Mahogany, limed oak or walnut—specify. Wt., 6 lbs.................. **3.95**

knight-kit
HIGH-FIDELITY

Bargain-Priced 12-Watt Amplifier and Systems


KM-15 Amplifier Kit Shown in Optional Gray Metal Case

Smart, Jet-Black Chassis

A

KM-15 12-Watt High-Fidelity Amplifier Kit

$19.95 less case
$5 monthly

- Equalized Magnetic and Tuner Inputs
- Separate Bass and Treble Controls
- Push-Pull EL-84 Output for Clean Sound
- Exceptionally Low Distortion and Noise

Low in price, yet packed with deluxe features! The KM-15 features built-in equalized preamplifier that accepts magnetic phono cartridges; and high-level input for tuner or ceramic cartridge sources. Works great as the heart of a complete home music system, or as a second channel to convert your present system to stereo.

Expertly designed circuit features premium-quality EL-84 tubes in push-pull output for smooth, clean hi-fi response. Fifteen db of inverse feedback contribute to its low distortion. Hum and noise are at a minimum, as well. Separate bass and treble controls allow you complete control of tonal color. Screw-type output terminals accept any popular 4, 8, or 16-ohm loudspeaker.

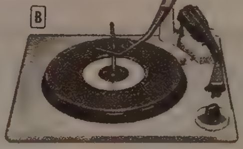
Has three operating controls: Volume, Bass, and Treble; two switches: Phono/Tuner, and On-Off. Size, 5x9½x6″. Smart, jet-black chassis. With all parts, wire, solder, and detailed instructions. Less metal case, below. For 110-130 v., 60 cycle AC. Shpg. wt., 8 lbs.
83 Y 784-G. *$5 Monthly*........................ **19.95**

83 Y 783-G. Metal Case. Perforated for ventilation. In French Gray with chrome trim. Wt., 2 lbs............ **3.95**

KM-15 SPECIFICATIONS

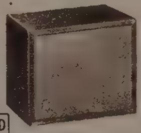
Rated Power Output: 12-watts continuous sine wave, 14-watts IHFM music power, 28-watts peak. **Frequency Response:** ±1.5 db, 30 to 15,000 cps at rated power. **Harmonic Distortion:** 1% at rated power. **Hum and Noise:** 65 db below rated power at Tuner input; 45 db below rated power at Magnetic Phono. **Sensitivity for Rated Power:** Magnetic Phono, 5 millivolts; Tuner, 1 volt. **Tubes:** 2—ECC83/12AX7, 2—EL84/6BQ5A, 1—EZ81/6V4/6BW4 rectifier.

B



C

$46.95 $5 monthly



D

Knight KN-3002 2-Way System

Alternate System
$57.50 $5 monthly

Custom 12-Watt Hi-Fi Phono System

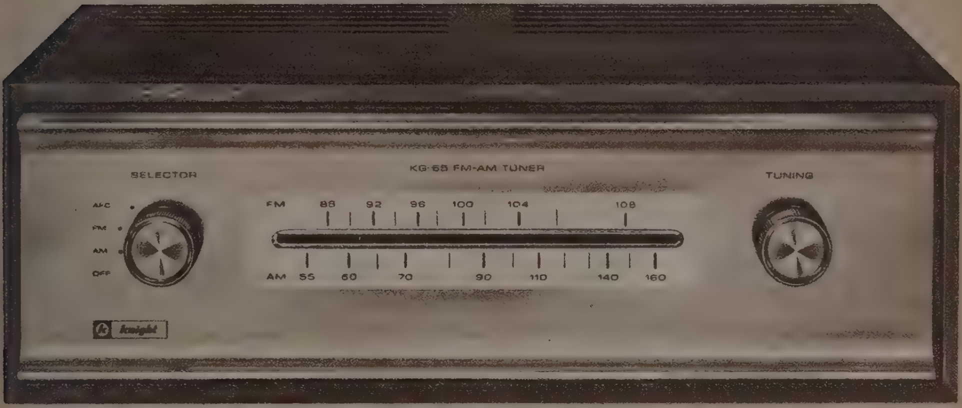
Ⓐ Knight-Kit KM-15 12-Watt Hi-Fi Amplifier Kit (Less Case)
Ⓑ Allied "66" 4-Speed Record Changer (Less Base), Cartridge
Ⓒ Knight KN-809A 8″ 2-Way High-Fidelity Speaker

Supplied with all cables, plugs, instructions. Changer mixes 10″ and 12″ records—shuts off after last record. Ceramic cartridge has dual sapphire needles. KN-809A has 8″ woofer with whizzer cone, 10-oz. magnet. 50 to 13,000 cps response. Mounting depth, 3⁵⁄₁₆″. Less amplifier case, left; changer base, below. 25 lbs.
84 HF 534-G. *$5 Monthly.* Shipped express........ **46.95**
95 DX 610C-G. Wood Changer Base. Mahogany, limed oak or walnut finish—specify. Wt., 6 lbs.................. **3.95**

Alternate with Shelf-Type Speaker System

Similar to above, but Ⓓ KN-3002 2-Way Walnut Speaker System in place of Ⓒ KN-809A. 8″ woofer, 3½″ tweeter. 50 to 15,000 cps. 12⅜x15x9″. Less amplifier case, changer base. Shpg. wt., 41 lbs.
84 HF 535-G. *$5 Monthly.* Shipped express........ **57.50**

Outstanding Values in High-Fidelity Tuner Kits!
Choose *knight-kit* FM or FM-AM Models



KG-65 FM-AM Tuner Kit Shown in Deluxe Wood Case with Oiled Walnut Veneer

Model KG-65 High-Fidelity FM-AM Tuner Kit

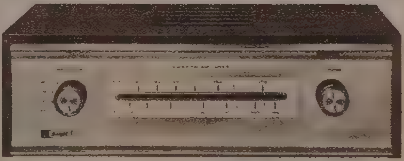
$49.95 less case

$5 monthly

- Factory Aligned RF and IF Coils
- Modern Printed Circuit Assembly
- Smooth, Weighted-Flywheel Tuning
- AFC Circuit "Locks In" FM Stations

You get genuine high-fidelity performance in this master-ully engineered, economy priced tuner kit! The KG-65 ives you wideband FM and amazingly sensitive AM re-eption—it's easily the finest tuner in its class! Standout eatures include: AFC circuit with defeat provision—allows uning weak stations next to strong ones; cathode-follower utput that allow long cable runs to amplifier without high-requency loss; weighted flywheel tuning for effortless sta-ion selection; multiplex output jack; and factory aligned RF and IF coils—no adjustments required. Printed circuit ssembly. Size, 4¼x13¼x8". Beautiful, platinum/gold ex-ruded aluminum front panel. With all parts, wire, solder, nd detailed instructions. Less case, below. For 110-130 ., 60 cycle AC. 13 lbs.

3 YX 315-G. *$5 Monthly* **49.95**



KG-65 Shown in Economy Wood Case With Oiled Walnut Veneer

KG-65 SPECIFICATIONS

Usable IHFM FM Sensitivity: 4 microvolts for 30 db of quieting. **Hum and IF Noise:** 60 db below 1 volt. **IF Bandwidth:** 200 kc at 50% down on bandwidth curve. **Image Rejection:** 60 db. **Frequency Response:** 20 to 20,000 cps. **AM Sensitivity:** 3 microvolts for 10 db signal-to-noise ratio. **IF Bandwidth:** 8 kc at 50% down on bandwidth curve. **Hum Level:** 60 db down. **Image Rejection:** 20 db. **Frequency Response:** 20 to 8,000 cps. **Tube Complement:** 2—6AU6, 1 each—6AN8, 6BE6, 6BA7, 12AT7, 12AU7, 6AL5, and 6X4 rectifier; 1N34 crystal diode. **Antennas:** FM, external 300-ohm; AM, built-in ferrite loopstick.

Model KG-35 Lowest Cost High-Fidelity FM Tuner Kit

-tube circuit for top-notch FM reception. Has: printed ircuit assembly; AFC for "lock in" tuning; factory-aligned F and IF coils; flywheel tuning; cathode-follower output; ultiplex output jack. **IHFM Sensitivity:** 4 μv usable for 30 b quieting. **IF Bandwidth:** 200 kc at 50% down on curve. **esponse:** 20-20,000 cps. 4¼x13¼x8". Platinum/gold ex-ruded aluminum panel. Instructions. Less case, below. or 110-130 v., 60 cycle AC. 12 lbs.

3 YX 408-G. *$5 Monthly* **35.95**

3 YX 018-G. Deluxe Wood Case. For KG-65 and KG-35. iled walnut. 4 sides. ½" construction. 7 lbs. **9.95**

3 YX 022-G. Economy Wood Case. For KG-65 and KG-35. iled walnut. 3 sides. ⅜" thick. 6 lbs. **6.95**

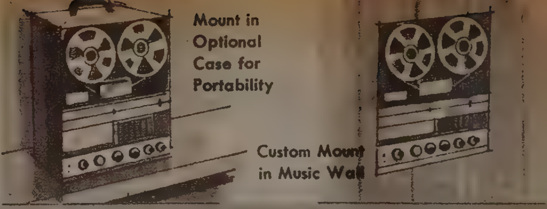
3 YX 019-G. Metal Case. For KG-65 and KG-35. Brown fin-ih. 6 lbs. **3.95**

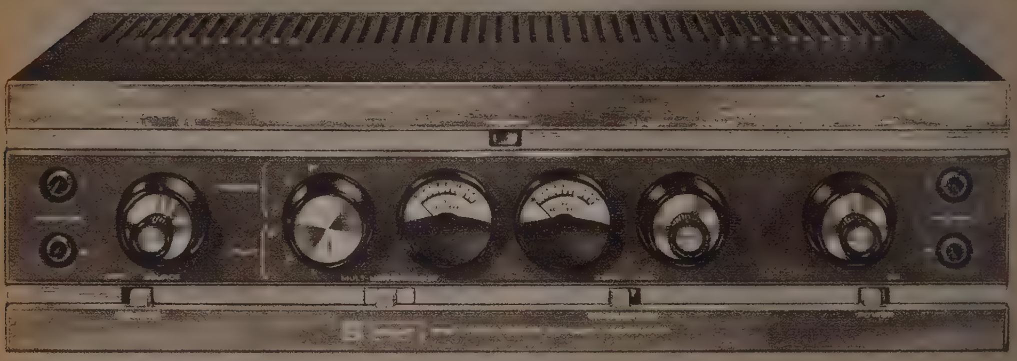
$35.95 less case

$5 monthly

KG-35 Tuner Kit Shown in Deluxe Wood Case

knight-kit
STEREO HIGH-FIDELITY


Mount in Optional Case for Portability
Custom Mount in Music Wall



PROFESSIONAL FEATURES!

"SOUND-ON-SOUND"

Accompany yourself in a duet. Special switching permits duplicating recordings from channel to channel—adding another "part" each time.

"ECHO-CHAMBER"

Professional-type echo chamber effect may be switched in at any time to enhance your recordings. No external cable patching is necessary.

CALIBRATED VU METERS

High-quality VU meters permit proper recording level adjustment. Provide accurate readings of both record and playback level at all times. 2-color scales are calibrated −20 to +3 db.

KP-70 Stereo Tape Record/Playback Preamp Kit

$89.95 less case

$5 monthly

- Separate, Dual-Channel Record and Playback Preamplifiers
- Ultra-Flexible—Adjustments Permit Matching Most Tape Heads
- Facilities for Direct Monitoring While Making Recordings
- Dual Concentric Clutch-Type Level Controls
- Separate Mike and High Level Volume for Blending 2 Sources

Now enjoy professional-quality playback and recording with your stereo tape transport and your stereo music system at an amazingly low price! The KP-70 has internal adjustments to match most tape transports and tape heads. Offers broad high-fidelity response—you hear the lowest bass notes through to the highest overtones of any musical instrument. And, with 3-head stereo transports, such as the Knight KN-4000A (facing page), you actually create professional-type studio effects like: "echo chamber," "sound-on-sound" and many others. Important feature: dual concentric, clutch-type level controls for microphone and auxiliary inputs as well as playback. Panel switch selects equalization for either 7½ or 3¾ ips on both record and playback modes. Microphone and auxiliary inputs can be mixed on each channel for the finest recordings. A-B monitor switch permits comparison of tape and source. Front-panel jacks accept high-impedance stereo headphones for monitoring. Size, 4⅛ (plus ⅝" feet)x 15½x9½". Aluminum panel is styled in Desert Beige and Sand Gold. With all parts, wire, solder and detailed assembly instructions. Supplied for 3-head operation—2-head requires switch, below. Less case, below. For 110-130 v., 60 cycle AC. Shpg. wt., 19 lbs.

83 YU 916-G. *$5 Monthly* **89.95**
83 YU 559-G. Above, factory assembled. For 2 or 3 heads. *$7 Monthly* **139.95**
83 YX 936-G. Metal Case for KP-70. Attractive brown finish. 6 lbs...... **4.95**
83 Y 940-G. 2-Head Switch. Use with transports having 2 heads. 4 oz. ... **1.95**

KP-70 SPECIFICATIONS

Response (Independent of Transport): ±2 db, 18 to 22,000 cps. **Harmonic Distortion:** Recording Section, less than 0.3% at max. recording level; Playback Section, less than 0.3% at 2-volt output. **Input Sensitivity for Max. Record Level:** 0.5 millivolt at mike input; 80 mv at auxiliary input. **Equalization:** NAB at 7½ ips (playback) Internal adjustment permits matching most heads. Separate equalization for 3¾-ips recordings. **Bias Oscillator:** 65 kc (adjustable to match most heads). **Record Head Current:** adjustable to match most heads.

Save on Deluxe Stereo Recording Systems

With KP-70 in Kit Form

$\$209^{90}$

$11 monthly

Save $10.00 on KP-70 and KN-4000A Tape System

- **Full 4-Track Stereo and Monophonic Taping Facilities**
- **Transport Has Three Heads, Three 4-Pole Motors**
- **Preamp Offers Top-Versatility Control Complement**
- **Make "Sound-On-Sound" and "Echo Chamber" Effects**
- **Preamp Available In Kit Form or Factory Assembled**

System Includes Knight-Kit KP-70 Preamp Kit and Knight KN-4000A Tape Transport

Save $10.00. Make your own studio-quality, 4-track stereo and monophonic tapes. Play tapes back through your own stereo music system. This combination gives you complete facilities for special "sound-on-sound" and "echo chamber" effects. Just assemble the easy-to-build KP-70 preamp kit (the KN-4000A is ready to use) and sit back and enjoy the thrilling beauty and magnificent realism of stereo tapes.

The Knight-Kit KP-70 Stereo Tape Record/Playback Preamp Kit perfectly matches the Knight KN-4000A Tape Transport. It features a complete set of dual concentric, clutch-type controls, dual VU meters, high-impedance stereo headphone outputs, inputs for microphone and auxiliary sources, and a A-B monitor switch. Compact, it measures 4⅛(plus ⅝" feet)x 15½x9½". (Complete description on facing page.) Attractive Desert Beige and Sand Gold styling.

The Knight KN-4000A Tape Transport features three separate premium-quality heads, three heavy-duty 4-pole motors, and seven convenient "keyboard" pushbutton function controls. Includes positive DC dynamic braking, tape counter, and automatic shutoff. Plays 7½ and 3¾-ips speeds. Tastefully styled in Desert Beige and Sand Gold. Measures 13½x15¼x 7". (Full description of KN-4000A on page 192.) Both units for 110-130 v., 60 cycle AC use. Less KP-70 preamp case, below, and carrying case for portable use, right. Shpg. wt., 42 lbs.

85 YU 019-2G. *$11 Monthly* **209.90**

Alternate With Factory Assembled KP-70

Save $10.40. Similar to above, except KP-70 Preamp is factory assembled and ready to play.

85 YU 020-2G. *$13 Monthly* **259.50**

83 YX 936-G. Metal Case for KP-70 Preamp. Attractive brown finish. Shpg. wt., 6 lbs. **4.95**

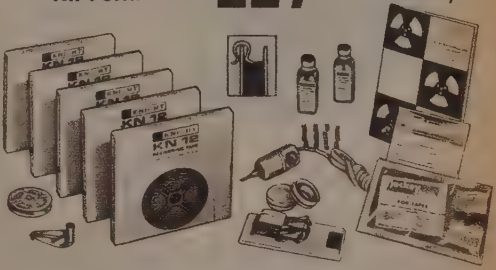
79 RU 899-G. Knight KN-4000A Alone. 23 lbs. . . **129.95**

Deluxe System Includes Professional Tape Accessories Kit—Save $15.00

With KP-70 in Kit Form

$\$227^{95}$

$12 monthly



Save $15.00. Deluxe system includes Knight-Kit KP-70 Stereo Tape Record/Playback Preamp Kit, Knight KN-4000A Tape Transport and Accessories Kit containing: 5—7" Reels of Knight KN-12 1½-Mil "Mylar" Recording Tape (1200′/reel); Head Demagnetizer; Tape Cleaning Cloth; 150′ of Leader Tape; Tape Splicer; 150" of Splicing Tape; 24-Page Tape Editing and Splicing Booklet; Tape Threader; 2-Oz. Bottle Head Cleaner; 2-Oz. Bottle Head Lubricant; 30 Adhesive Tape-Identification Labels; 12 Tape Clips. Wt., 50 lbs.

85 YU 021-3G. *$12 Monthly* **227.95**

85 YU 022-3G. Save $15.45. Above, but KP-70 is factory assembled, ready to use. *$14 Monthly* **277.50**

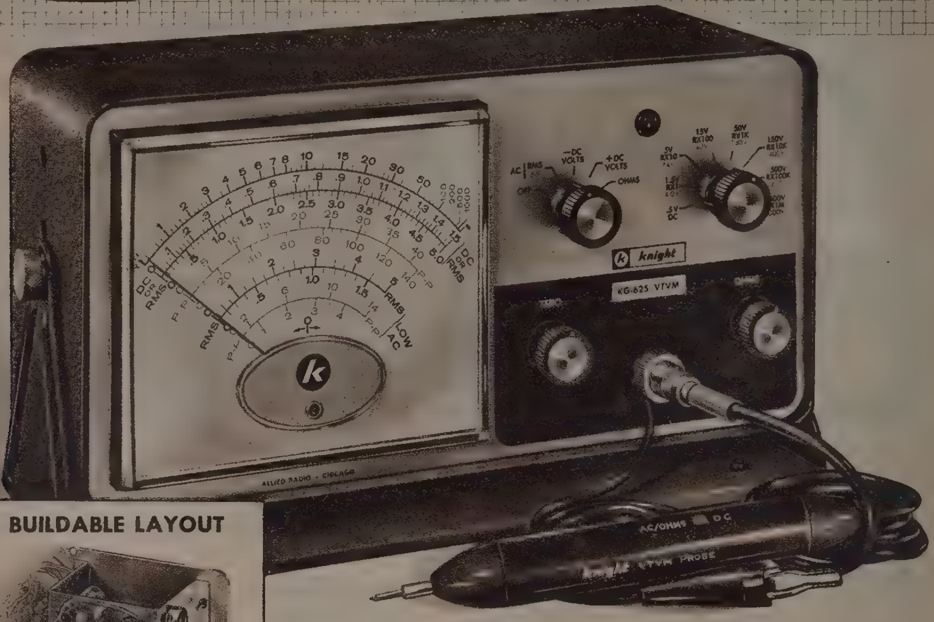
Carrying Case

Holds KP-70 preamp, KN-4000A transport, mikes, cables, tapes, accessories. 20x16½x 11½". Cream and beige styling. Scuff-proof cover; snap locks. 18 lbs.

79 RU 870-G. *$5 Monthly* **24.95**

NEW from knight-kit

New 6" VTVM Has ½-Volt Full-Scale DC Range!



Includes Battery and Single AC-Ohms/DC Test Probe with Switch

Model KG-625 6" Vacuum Tube Voltmeter Kit

With Probe
$34.95
$5 monthly

- Pre-Aged Bridge Tube Has Matched Triode Sections
- Reads Peak-to-Peak AC Volts Directly
- Separate Color-Correlated Scales for 1.5 and 5 Volt RMS, 4.2 and 14 Volt P-P AC Ranges
- 200 µamp Meter with Fluorescent Knife Edge Pointer

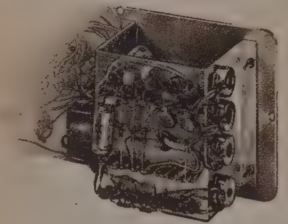
New 6" VTVM kit brings you more in deluxe features, more in functional styling, and more in genuine operating convenience. You get: ½-volt full-scale DC range—a "must" for transistor servicing; modern gimbal bracket that's tops for undershelf, wall or bench mounting; single, switchable AC-Ohms/DC test probe making multiple measurements a snap; and a new inverted chassis allowing quick, easy assembly.

Utilizes premium pre-aged bridge tube with matched triode sections for stable calibration adjustments. Large, 6-inch, 200-microamp movement has fluorescent, knife-edge pointer; 10 separate color-correlated scales, 100° meter arc for larger scale area, plus easy viewing from all angles. Movement is shorted out in "Off" position—prevents damage when carrying instrument. Precision 1% film-type resistors are used as multipliers. Sturdy plastic probe, tip takes slip-on alligator clip as well as regular tip pin. Separate ground lead is terminated in alligator clip. Push-pull balanced bridge circuit assures maximum accuracy and meter protection. 11-megohm input impedance reduces circuit loading.

Gimbal bracket for convenient mounting and easy viewing. Calibration controls are externally accessible. Has: DC polarity reversing switch; zero-center scale for discriminator alignment pilot light; low-leakage switches; power transformer for line isolation. Size, 7¾x12x5½". Black steel case; charcoal-gray and silver panel. With all parts, battery, test probe and instructions. See accessory probes, facing page. For 110-130 v., 60 cycle AC. Wt., 12 lbs.

83 YX 975-G. *$5 Monthly*	**34.95**
83 YX 563-G. Above, factory assembled. *$5 Monthly*	**51.95**

NEAT BUILDABLE LAYOUT



Unique Inverted Internal Chassis Means Extra-Easy Assembly for You

KG-625 SPECIFICATIONS

DC. Ranges: 0-0.5-1.5-5-15-50-150-500-1500 v. full scale. With optional High-Voltage Probe to 25,000 v.

Accuracy: ±3% of full scale reading.

Input Resistance: 11 megohms (1 meg in probe) to 1500 volts.

AC. RMS Ranges: 0-1.5-5-15-50-150-500-1500 v. full scale. Separately calibrated scales for 1.5 and 5 v.

P-P Ranges: 0-4.2-14-42-140-420-1400-4200 v. full scale. Separately calibrated scales for 4.2 and 14 v.

Accuracy: ± 5% of full scale reading.

Frequency Response: ± 1 db, 30 cps to 3 mc. ± 3 db, 30 cps to 5 mc; With High-Frequency Probe to 250 mc.

OHMMETER Ranges: 0-1000-10,000-100,000 ohms; 0-1-10-100-1000 megohms.

Center Scales: 10-100-1000-10,000-100,000 ohms; 1 and 10 megohms.

Battery: 1½-Volt, size "C".

TUBES. Meter Bridge: Premium pre-aged 12AU7A. with matched triode sections. **Full-Wave Rectifier:** 6AL5. **Power Supply:** transformer, silicon diode rectifier.

Popular 4½" VTVM Kit —An Outstanding Value!

A Dollar Goes Farther with *knight-kits*

You get more for your money in every way with Knight-Kit test equipment! You get more in design through experienced research and development teams who have a thorough understanding of your electronic needs . . . More in performance through rigid quality control and long field testing . . . More in dependability through use of finest components . . . More in appearance through use of professionally styled cabinets and panels . . . More in genuine ease of assembly through buildable layouts and carefully written, well-illustrated, step-by-step instructions . . .

Model KG-620 4½" VTVM Kit

With Leads **$24.95** **$5 monthly**

- 7 AC (RMS & P-P), 7 DC, 7 Ohm, and 7 db Ranges
- 1% Precision Multiplier Resistors for High Accuracy
- 200-Microamp Meter Movement—2-Color 4½" Scale
- 11-Megohm Input Resistance Minimizes Circuit Loading
- Extended Frequency Response, ±1 db, 30 cps to 3 mc

Performance-proven in the field and widely recognized for accuracy and dependability, the KG-620 is an outstanding value for any service shop, lab bench, or hobby corner! Provides entirely electronic, direct-reading measurements of AC voltage (both Peak-to-Peak and RMS), DC voltage, decibels, and resistance on a highly legible, two-color 4½" meter scale.

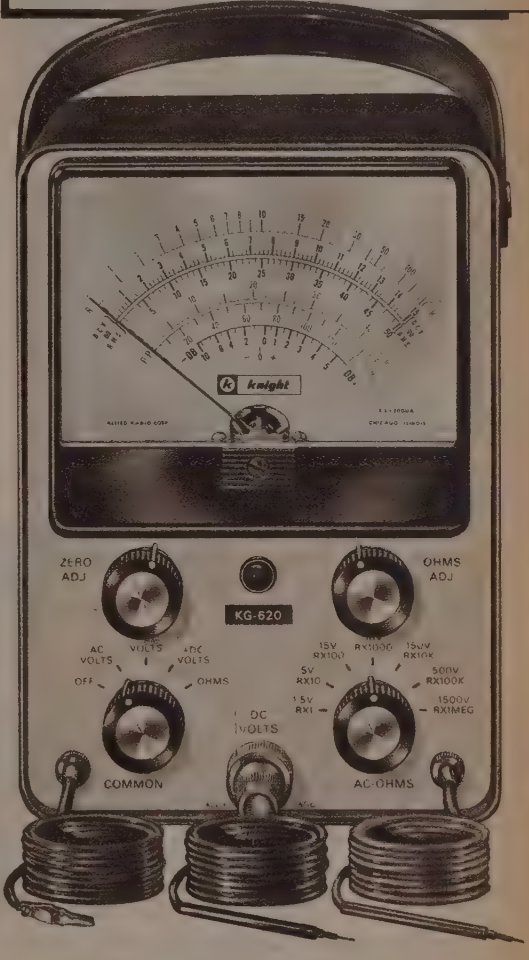
Invaluable for signal tracing, alignment, voltage and resistance readings in AM/FM radios, TV sets, and high-fidelity components. Also excellent for checking audio frequency response, CB and Amateur equipment, and for servicing many types of electrical devices. Highlights include: 11-megohm input resistance for negligible loading effect on the circuit under test; precision 1% resistors used as multipliers for accurate readings; 200-microamp meter movement with large 4½-inch full-view, two-color scale; zero-center scale for discriminator alignment; direct-reading decibel scale; 1.5-volt DC full scale range; and provision for easy, external calibration.

Push-pull balanced-bridge circuit offers maximum accuracy and protects meter movement from overload. Sensitive DC amplifier allows resistance readings up to 1000 megohms using only the self-contained 1½-volt battery. Single zero-adjust control for all ranges and functions; DC polarity reversing switch; low-leakage rotary switches; finest-grade printed circuit board; pilot light; and power transformer for isolation from AC line. 7⅝x5⅜x4¼". Black steel case; charcoal-gray and silver panel. With all parts, instructions. For 110-130 v., 60 cycle AC. Wt., 7 lbs.

83 Y 911-G. *$5 Monthly*....................24.95
83 Y 576-G. Above, factory assembled..........39.95

Probes for KG-620 and KG-625 VTVM's

83 Y 126-G. High-Voltage Probe Kit. 1 lb..........4.50
83 Y 130-G. Above, factory assembled..........5.50
83 Y 127-G. High-Frequency Probe Kit. 1 lb..........3.50
83 Y 131-G. Above, factory assembled..........4.50



Complete with Battery and Test Leads

MODEL KG-620 VTVM SPECIFICATIONS

DC. Ranges: 0-1.5-5-15-50-150-500-1500 v. full scale. With optional High-Voltage Probe to 50,000 v.
Accuracy: ± 3% of full scale reading.
Input Resistance: 11 megohms (1 meg in probe) to 1500 v.
AC. RMS Ranges: 0-1.5-5-15-50-150-500-1500 volts full scale.
P-P Ranges: 0-4.2-14-42-140-420-1400-4200 v. full scale.
Decibels: —10 to +65 in 7 ranges.
Frequency Response: ±1 db, 30 cps to 3 mc; ±3 db, 30 cps to 5 mc. With optional High-Frequency Probe to 250 mc.

Accuracy: ± 5% of full scale reading.

OHMMETER. Ranges: 0-1000-10,000-100,000 ohms; 0-1-10-100-1000 megohms.
Center Scales: 10, 100, 1000, 10,000, 100,000 ohms; 1 and 10 megohms.
Battery: 1½-volt, size "C".

TUBE COMPLEMENT. Meter Bridge: 12AU7A. **Full-Wave Rectifier:** 6AL5. **Power Supply:** transformer, selenium rectifier.

NEW from knight-kit

PROTECTED-MOVEMENT VOM KITS

knight
VOLTOHMMETER

knight
VOLTOHMMETER
ALLIED RADIO CHICAGO
DC
AC

Improved Circuit Design . . Protected Meter Movements

NO METER-MOVEMENT DAMAGE EVEN WITH 1000 TIMES OVERLOAD!

KG-645 1000 Ohms-Per-Volt VOM Kit

With Leads, Battery

$17.95

- Measures AC and DC Current
- 1000 Ohms Per Volt on Both AC and DC
- 8 Scales and 38 Different Ranges
- 2-Color 4½" Meter • 1% Multipliers
- 400 μamp Meter Movement

Unusually fine buy in a budget-priced VOM for hobbyist or technician. Now updated with meter-movement protection that puts it in a class with VOMs priced far higher! Circuit prevents burnout, bent pointers, damaged pivots and overheated springs on voltage, current and decibel ranges. Use it for AC-DC voltage, current, and resistance readings in TV and hi-fi sets, radios, appliances, house wiring. Detailed instructions. Black bakelite case, 6¾x5¼x2¾". Solder, battery, test leads, 3 lbs.

83 Y 983-G **17.95**

83 Y 986-G. As above, but 5% resistors............ **15.95**

SPECIFICATIONS

AC, DC, and Output Volts: 0-1-5-10-50-100-500-5000 volts. **Resistance Ranges:** 0-1000-100,000 ohms; 0-1 meg. Center scales at 60, 150 and 1500 ohms. **Current:** 0-1-10-100 milliamps; 0-1 amp AC or DC. **Decibels:** −20 to +69 db in 6 ranges. **Input Resistance:** 1000 ohms per volt on both AC and DC. **Meter Sensitivity:** 400 microamps full scale. **Meter/Movement Accuracy:** 2% of full scale reading.

20,000 Ohms-Per-Volt VOM Kit

With Leads, Batteries

$29.95

$5 monthly

- 20,000 Ohms/V. for Low Circuit-Loading
- Highly Sensitive 50 μamp Meter Movement
- Has 9 Scales and 32 Different Ranges
- 2-Color 4½" Meter • 1% Multipliers
- One-Knob Range/Function Switch

Long a favorite for its accurate readings, now an unbeatable value with newly added meter-movement protection! Time tested—use it wherever accurate measurement of voltage, current, or electrical continuity is required. New protective circuit eliminates bent pointers, damaged pivots, overheated springs, and burned-out coils—on all ranges. 20,000 ohms-per-volt DC input provides true readings and minimizes circuit loading. Single range/function switch for quick selection. Black bakelite case, 6¾x5¼x2¾". With instructions, solder, batteries, test leads. 4 lbs.

83 Y 972-G. *$5 Monthly*.................................. **29.95**

SPECIFICATIONS

AC, DC, and Output Volts: 0-2.5-10-50-250-1000-5000 volts. **Resistance Ranges:** 0-2000-200,000 ohms; 0-20 megs. Center scales at 12, 1200, and 120,000 ohms. **DC Current:** 0-0.1-10-100 milliamps; 0-1-10 amps. **Decibels:** −30 to +63 db in 6 ranges. **Meter Sensitivity:** 50 microamps full scale. **Input Resistance:** DC—20,000 ohms per volt; AC—5000 ohms per v. **Meter Movement Accuracy:** 2% of full scale reading.

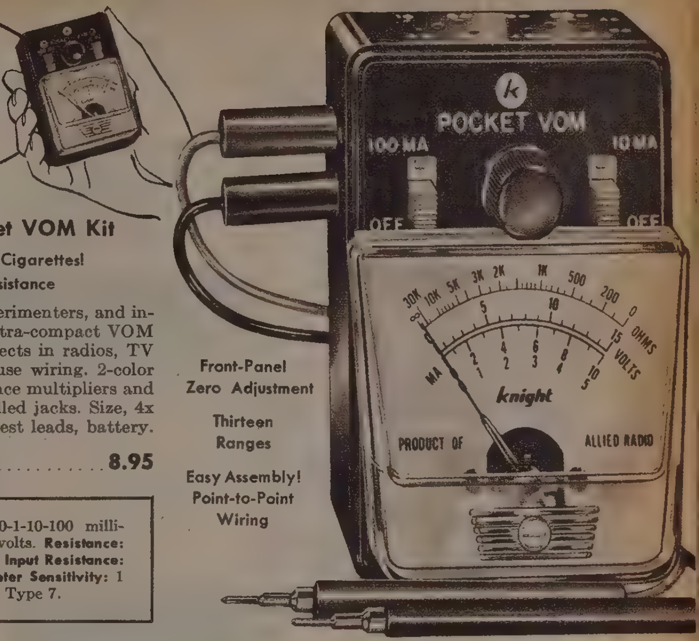
83 Y 163-G. 101 Ways to Use Your VOM and VTVM. By Robert G. Middleton. Learn Fast! Many time-saving techniques. Acclaimed by thousands. 116 pp. 5½x8½". 8 oz..... **2.00**

37 K 749-G. Troubleshooting With the VOM and VTVM. By Robert G. Middleton. TV diagnosing, RF signals, transistor tests, procedures, probes, etc. 160 pp. 5½x8½". 8 oz....... **2.50**

Lowest Cost VOM Kit . . Fits in Your Palm

COMPLETE

With Leads
and
Battery **$8.95**



Front-Panel Zero Adjustment

Thirteen Ranges

Easy Assembly! Point-to-Point Wiring

1000 Ohms-Per-Volt Pocket VOM Kit

- Hardly Larger Than a Pack of Cigarettes!
- Measures Voltage, Current, Resistance

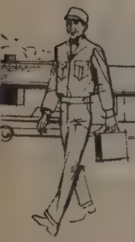
An excellent choice for hobbyists, experimenters, and in-the-home servicemen who want an extra-compact VOM at extremely low cost. Helps find defects in radios, TV sets, appliances, auto accessories, house wiring. 2-color 2½" meter with 13 ranges. 5%-tolerance multipliers and shunts. Black bakelite case; pre-installed jacks. Size, 4x 2⅞x2⅛". With instructions, solder, test leads, battery. Shpg. wt., 2 lbs.

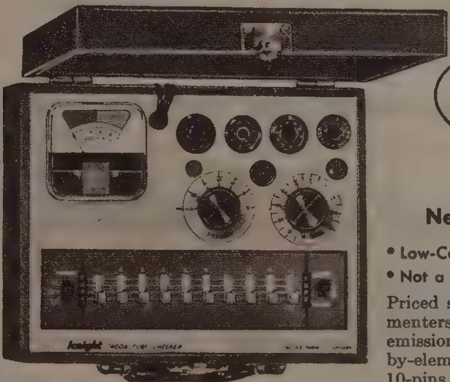
83 Y 708-G. **8.95**

SPECIFICATIONS

DC Ranges: 0-5-15-50-150-500 volts; 0-1-10-100 milliamperes. **AC Ranges:** 0-15-50-150-500 volts. **Resistance:** 0-30,000 ohms; 1200 ohms center scale. **Input Resistance:** 1000 ohms per volt on DC ranges. **Meter Sensitivity:** 1 milliampere full scale. **Battery:** 1½-volt, Type 7.

400A Tube Checker Kit . . Outstanding Value plus Performance

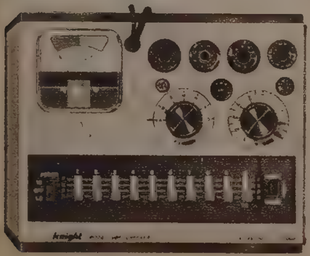




New Portable Model

Portable Model	Bench Model
$22.95	$19.95
$5 monthly	$5 monthly

CHECKS MORE THAN 1800 TUBE TYPES!



For Bench or Counter

New 400A Portable Tube Checker Kit

- Low-Cost 400A Now Available in Portable and Bench-Top Style
- Not a Continuity Tester, But a True Cathode-Emission Checker

Priced so low, hobbyists, part-time servicemen or experimenters can hardly afford to be without one. Genuine emission testing circuit, plus "short" check on an element-by-element basis. Tests compactrons, nuvistors, novars, 10-pins, octals, loctals, 7- and 9-pin miniatures. Two-color scale shows good or bad condition. Employs two-winding transformer for safety. Universal selector switch for fast set up of tube types. With tube chart. Gray wood case, beige panel. 3½x10⅛x8¾". For 110-130 v., 60 cycle AC. Shpg. wt., 8 lbs.

83 Y 924-G. *$5 Monthly*. **22.95**

400A Bench-and-Counter Tube Checker Kit

Above, but gray metal case. Slide-out drawer has "Flip-Card" tube chart. 3x9⅝x8". 8 lbs.

83 Y 625-G. *$5 Monthly*. **19.95**

Updated Model 400A Tube Chart

For units purchased prior to Aug. 1, 1964. 8 oz.

83 Y 053-G. . . . . **.75**

knight-kit
TEST INSTRUMENTS

CHECKS OVER 2300 TUBE TYPES

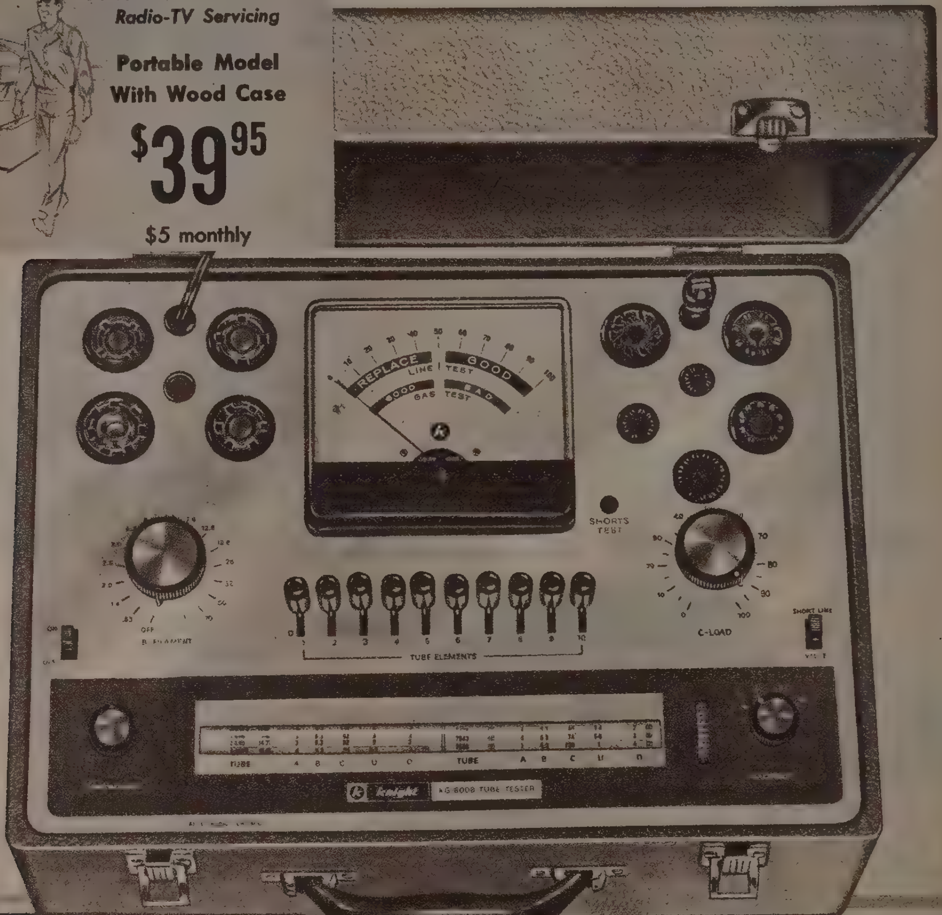
KG-600B—Available in Both Portable and Bench Models

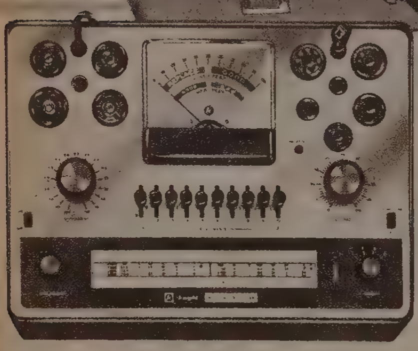
Perfect For "On-the-Job" Radio-TV Servicing

Portable Model With Wood Case

$39.95

$5 monthly


REPLACE
GOOD
LINE
TEST
GOOD
GAS
TEST
BAD
SHORTS TEST
FILAMENT
OFF
TUBE ELEMENTS
C-LOAD
SHORT LINE
TUBE
A
B
C
D
knight
KG-600B TUBE TESTER



Ideal For Use In Shop or Lab

Bench Model With Steel Case

$35.95

$5 monthly

Good Tube Testers Don't Have To Be Expensive!

OUR FINEST EMISSION-TYPE TESTER

Model KG-600B Portable Tube Tester Kit

- Checks for Tube Quality, Continuity, Shorts, Open Elements and Gas
- Versatile Selector Switches—Easy Set-Up for All Tube Types
- Multi-Colored, Easy-to-Read 4½" Full-View Meter
- Checks Pilot Lights up to 117 Volts • Tops for Tube Matching

ooking for spectacular value? Equip your shop or hobby corner vith this accurate, highly dependable tube tester. Professionally tyled unit tests over 2300 tube types—including nuvistors, comoactrons, novars, 4, 5, 6, and 7-pin large, 7, 9, and 10-pin miniaures, octals, loctals, and pilot lamps. Checks TV picture tubes vith optional TV Picture Tube Harness and Adapters, below right.

xtra-large meter shows tube condition by 3-color "GOOD-?-REPLACE" emission scale. Separate three-color "GOOD-BAD" as test scale. 0 to 100 scale for matching tubes. A neon indicator hows filament continuity and leakage or shorts between tube lements. Line-adjust circuit is provided to correct for variations n line voltage and maintain proper testing conditions. Filament witch lets you select 16 different voltages from 0.63 to 117 volts.

Designed for utmost versatility too. The easy-action, universalype selector switches used in the KG-600B permit setting up for esting tube types with ease and speed. The roll chart features smooth-action thumbwheel drive to quickly locate desired tube ype. Chart is illuminated by two pilot lamps. Gray fabrikoidovered portable case has carrying handle and latching cover. Panel is styled in charcoal gray and silver. Size, 6⅛x14½x10½". upplied with all parts, wire, solder, and detailed, step-by-step nstructions. For operation from 110-130 v., 50-60 cycle AC. hpg. wt., 17 lbs.

3 YX 920-G. *$5 Monthly* **39.95**

Factory Assembled Portable Tube Tester

dentical to above, except tester is factory assembled and comes o you ready to use. Shpg. wt., 17 lbs.

3 YX 578-G. *$5 Monthly* **53.95**

KG-600B Bench or Counter Tube Tester Kit

ncludes the same outstanding features and specifications as found n the Knight-Kit Model KG-600B Portable Tube Tester Kit lescribed above, except tester is in a sturdy black-finish steel case vithout cover. 5¼x14⅛x10⅛". Shpg. wt., 19 lbs.

3 YX 951-G. *$5 Monthly* **35.95**

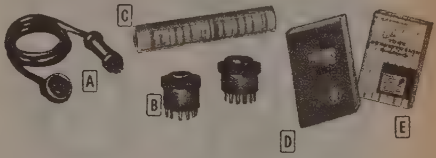
actory Assembled Bench and Counter Tube Tester

ame excellent product as above, except tester comes to you comletely assembled and is ready to use. Shpg. wt., 19 lbs.

3 YX 579-G. *$5 Monthly* **49.95**

KG-600B SPECIFICATIONS

Type of Tube Tester: Cathode Conductance (Emission). **Tube Condition Indicator:** 3-Color, 4½" Meter with English, Numerical and Gas Scales. **Tube Types That May Be Tested:** Nuvistors, Compactrons, Novars, 4, 5, 6, and 7-Pin Large, 7, 9, 10-Pin Miniatures, Octals and Loctals. Also Tests Pilot Lamps. **Individual Element Tests:** Short and Continuity Use Neon Lamp Indication; Gas and Open Use Meter Indication. **Filament Voltages Available:** 0.63, 1.4, 2.0, 2.5, 3.0, 4.2, 5.0, 6.3, 7.5, 12.6, 19.6, 25, 32, 50, 70, and 117. **Line/Load Voltage Adjustments:** Power Rheostat Is Adjustable to Compensate for Voltage Variation. Located in Primary of Power Transformer. **Individual Tube Settings:** Read from Built-In and Illuminated, Gear-Driven Roll Chart with Thumbwheel.



Selected Tube Tester Accessories

A **TV PICTURE TUBE HARNESS.** For checking picture tubes with up to 90° deflection on all Knight-Kit Series 600 Tube Testers. Wt., 8 oz.

83 Y 141-G Assembled **4.50**

B **110° ADAPTERS.** Set of two, for TV Picture Tube Harness above. Permits checking picture tubes that have 110° deflection. Wt., 3 oz.

83 Y 271-G Assembled **3.85**

C **REPLACEMENT ROLL CHART.** Current issue. For updating Knight-Kit Model 600, 600A, or 600B Tube Testers bought prior to Aug. 1st, 1964. 8 oz.

83 Y 065-G **1.75**

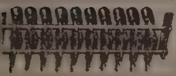
D **RCA TUBE MANUAL.** Latest edition. Offers full technical data on all current receiving tubes plus color and black-and-white picture tubes. Also has schematics on selected circuits. 544 pages. 5⅜x8¾". Shpg. wt., 1 lb.

37 K 575-G **1.25**

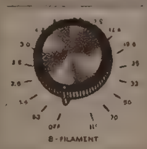
E **HOWARD W. SAMS TUBE SUBSTITUTION HANDBOOK.** Lists over 7,000 direct substitutions, including European, industrial and subminiature types. 128 pages. 5½x8½". Shpg. wt., 8 oz.

83 Y 234-G **1.50**

Check These Professional-Type Features!



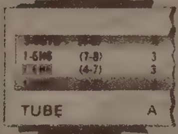
ersatile, easy-action elector switches allow ast and easy set-up or testing tube types. elector switches are reassembled into a ngle unit, ready for mple mounting.



16 switch-selected filament voltages: 0.63, 1.4, 2.0, 2.5, 3.0, 4.2, 5.0, 6.3, 7.5, 12.6, 19.6, 25, 32, 50, 70, and 117 volts AC.

4½", full-view meter has multi-colored, easy-to-read "GOOD-?-REPLACE" scale. Also has 0-100 numerical scale.

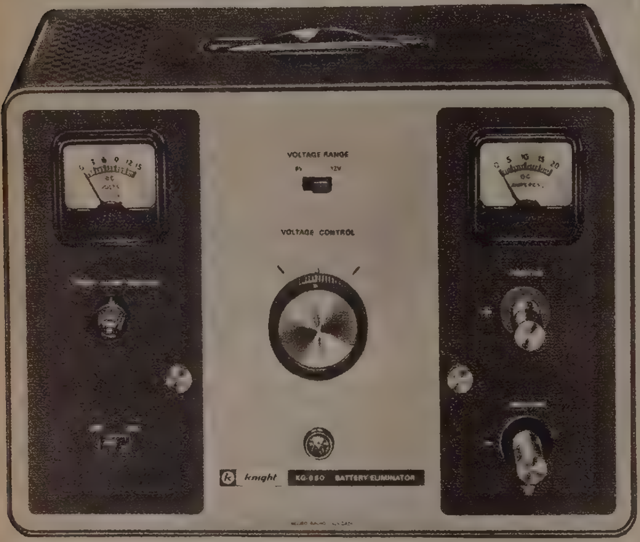
Power rheostat is adjustable to compensate for line or load variations—you always have proper testing conditions at hand.



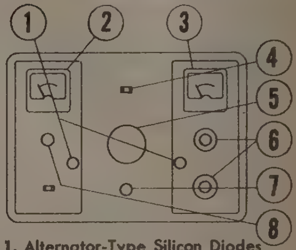
Roll chart is illuminated for quick and easy testing set-up. Gear-driven mechanism has smooth-action thumbwheel.

Checks nuvistors, compactrons, novars, 4, 5, 6, and 7-pin large, 7, 9, and 10-pin miniatures, octals and loctals. Pilot lamps, to 117 v. AC.

knight-kit
TEST INSTRUMENTS



MANY OUTSTANDING FEATURES!



1. Alternator-Type Silicon Diodes
2. 0 to 15 Volt DC Voltmeter
3. 0 to 20 Ampere DC Ammeter
4. 6 to 12 Volt Changeover Switch
5. Variable Voltage Control
6. Color-Coded Binding Posts
7. Pilot Light
8. Front-Panel Primary Fuse

KG-660 Battery Eliminator/Charger Kit

WELL-FILTERED FOR TRANSISTOR SERVICING

\$35^{95}

\$5 monthly

- Rated 15 Amps at 6 Volts; 7½ Amps at 12 Volts
- Two DC Voltage Ranges: 0 to 8 and 0 to 15 Volts
- Silicon Diode Rectifiers; Heavy Duty 17,000 Mfd Filter
- Primary Fused; Automatic Thermal Cutout in Secondary

Whether you're a technician, serviceman, experimenter or hobbyist, you'll find dozens of uses for this heavy-duty, low-voltage power supply. It's an important addition to any work bench requiring a ready, reliable source of 6 and 12-volt DC power. The KG-660's voltage is continually variable from 0 to 15 volts, and it has the necessary filtering needed for today's all-transistor, transistor and vacuum tube "hybrid," and all-vacuum tube sets.

Rugged, conservatively rated components used throughout mean long, reliable service. The transformer primary is fused, and the secondary is equipped with an automatic thermal cutout for maximum protection at all times. Two panel meters continuously monitor output voltage and current. Meters are calibrated 0 to 15 volts DC and 0 to 20 amperes. Two ranges of variable DC voltage output: 0 to 8, and 0 to 15 volts.

Tests battery-operated transmitters, amplifiers, marine and aircraft receivers, CB transceivers, auto radios, other equipment. Runs many small devices: solenoids, relays, motors, model trains. Charges 6 and 12-volt batteries overnight. Checks most units 20% below and 25% above nominal voltage—helps locate defective or intermittent vibrators and components. Black metal case, 9x12x5". Charcoal gray and silver panel. With all parts, instructions. For 110-130 v., 60 cycle AC. 14 lbs.

83 YX 912-G. *\$5 Monthly*	**35.95**
83 YX 573-G. Above, factory assembled. *\$5 Monthly*	**44.95**

HOWARD W. SAMS "RAPID AUTO RADIO REPAIR" BOOK. By G. Warren Heath. Data on troubleshooting techniques providing proven servicing procedures. 160 pages. 5½x8½". Shpg. wt., 8 oz.

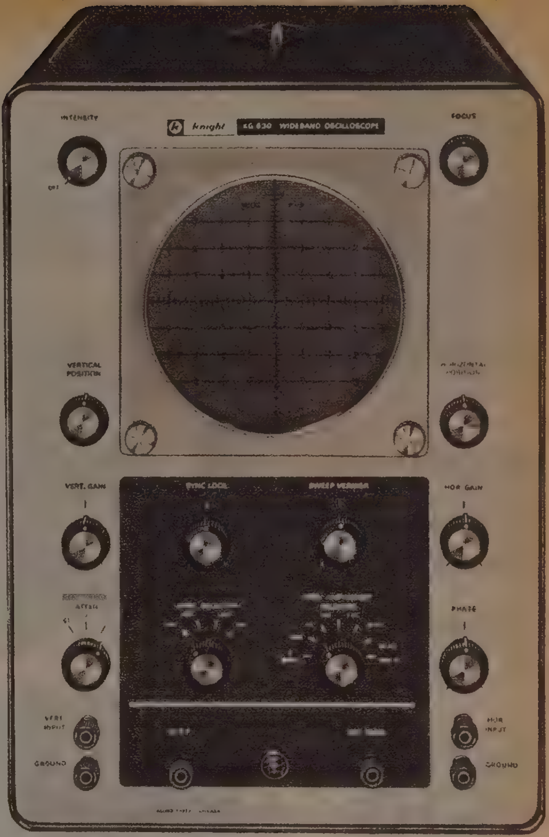
83 Y 232-G.	**2.95**

IDEAL FOR CITIZENS BAND, MARINE, HAM, AVIATION, AND ALL TYPES OF MOBILE GEAR

SPECIFICATIONS

Continuous Ratings: 15 amps at 6 volts; 7½ amps at 12 volts.
Intermittent Ratings: 20 amps at 6 volts; 10 amps at 12 volts.
Variable Voltage Ranges: 0 to 8 volts; 0 to 15 volts.
Operating Voltage: from 110 to 130 volts, 60 cycle AC.
Power Consumption at Full Output: 220 watts maximum.
Protection: transformer primary—4 amp Slo-Blo fuse; secondary—automatic 20 amp thermal cutout, 10 second delay.
Binding Posts: color-coded, extra heavy duty type; accept up to #6 wire.
Rectifiers: alternator-type silicon diodes for less heat, more efficiency.
Filtering: 17,000 mfd industrial grade filter for minimum ripple.
Meters: 0-15 volt; 0-20 amps; both direct-reading automotive types.
Pilot Lamp: #47 bulb.
Line Cord: 16-gauge, heavy duty type.
Carrying Weight: 10 lbs., 10 oz.
Size: 9x12x5"; knobs extend 1".

Wide Band...
High Sensitivity...
And Low Cost!



Supplied with Leads

YOUR BEST VALUE FOR BOTH
COLOR AND BLACK-AND-WHITE
TELEVISION SERVICING

New Low Price $69.95 $5 monthly
Was $74.95

With Leads

SPECIFICATIONS

Vertical Sensitivity: 20 millivolts (RMS) per inch. **Vertical Response:** ±3 db, 5 cps to 5 mc; 1 db down at 3.58 mc color burst frequency. **Vertical Input Impedance:** with X1 sensitivity—2.9 megohms and 21 mmf; with X0.1 and X0.01 sensitivity—3.4 megohms and 12 mmf. **Horizontal Sensitivity:** 600 millivolts (RMS) per inch. **Horizontal Response:** down 3 db at 600 kc; down 4 db at 1 mc. **Z-Axis Input Sensitivity:** —25 volts pulse for beam cutoff. **Input Impedance:** 100K Ohms. **Sweep Generator Range:** 15 cps to 600 kc. **Sweep Generator Synchronization:** internal positive, internal negative, external and line frequency. Locks in as high as 9 mc. **Power Supplies:** 6X4 low voltage rectifier; 6C4 regulator. High voltage supply has 1V2 rectifier producing approximately 1600 volts to CRT for high intensity trace. **Voltage Calibrator:** 1 volt peak-to-peak at front panel jack. **Cathode Ray Tube:** 5UP1.

KG-630 Scope Kit and Accessories Outfit

Complete $81.50

$5 monthly

You get: Knight-Kit KG-630 5″ Wide Band Oscilloscope Kit; 12-Mmf Low-Capacity Probe Kit; 250-Mc RF Demodulator Probe Kit; Sams Books—"Know Your Oscilloscope" and "Trouble-Shooting With the Oscilloscope." 34 lbs.

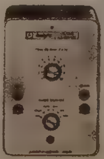
85 YU 014-5G. *$5 Monthly*.......... **81.50**

83 Y 235-G. Sams "Know Your Oscilloscope." By Paul C. Smith. 160 pages. 5½x8½″. 8 oz. **2.00**

83 Y 236-G. Sams "Troubleshooting With The Oscilloscope." by Robert G. Middleton. 160 pages. 5½x8½″. 8 oz. **2.50**

KG-676 VOLTAGE CALIBRATOR KIT. Makes your scope an accurate peak-to-peak AC voltmeter. Variable square wave from .01 to 100 volts. Switch position for comparing external signal. 7⅛x5⅜x4¼″. For 110-130 v., 60 cycle AC. 5 lbs.

83 Y 982-G **14.95**



KG-630 5″ Wide Band Oscilloscope Kit

Wide sweep range, broad response, and high sensitivity combine to make this popular Knight-Kit a best buy for both shop and lab. With highest quality components throughout, and expertly designed circuitry, it meets virtually every need of the technician, researcher and hobbyist alike. This top performer is made for today's complex equipment—it's the perfect choice for color as well as black-and-white television servicing.

Push-pull vertical and horizontal amplifiers with cathode-follower inputs assure minimum circuit loading and extremely low wave-form distortion. 2nd anode potential of 1600 volts provides a high-intensity trace. Excellent synchronization on complex wave forms is achieved by positive and negative locking. Includes frequency-compensated input attenuator, 1-volt P-P calibrator, retrace blanking, rear-mounted Z-axis input, internal astigmatism control, and directly coupled vertical and horizontal positioning controls.

Uses 2 printed circuit boards and a laced wiring harness for quick, reliable assembly. Black metal case, 14¼x10⅛x15½″. Charcoal gray and silver front panel. Supplied complete with all parts and detailed instructions. For 110-130 v., 60 cycle AC. Shpg. wt., 32 lbs.

83 YU 913-G. *$5 Monthly*.......................... **69.95**

83 YU 577-G. Above, factory assembled *$5 Monthly*...... **99.95**

83 Y 147-G. **12-Mmf Low-Capacity Probe Kit** Wt., ½ lb...... **3.75**

83 Y 150-G. Above, factory assembled.................... **4.75**

83 Y 148-G. **250-Mc RF Demodulator Probe Kit.** ½ lb........ **3.75**

83 Y 151-G. Above, factory assembled.................... **4.75**

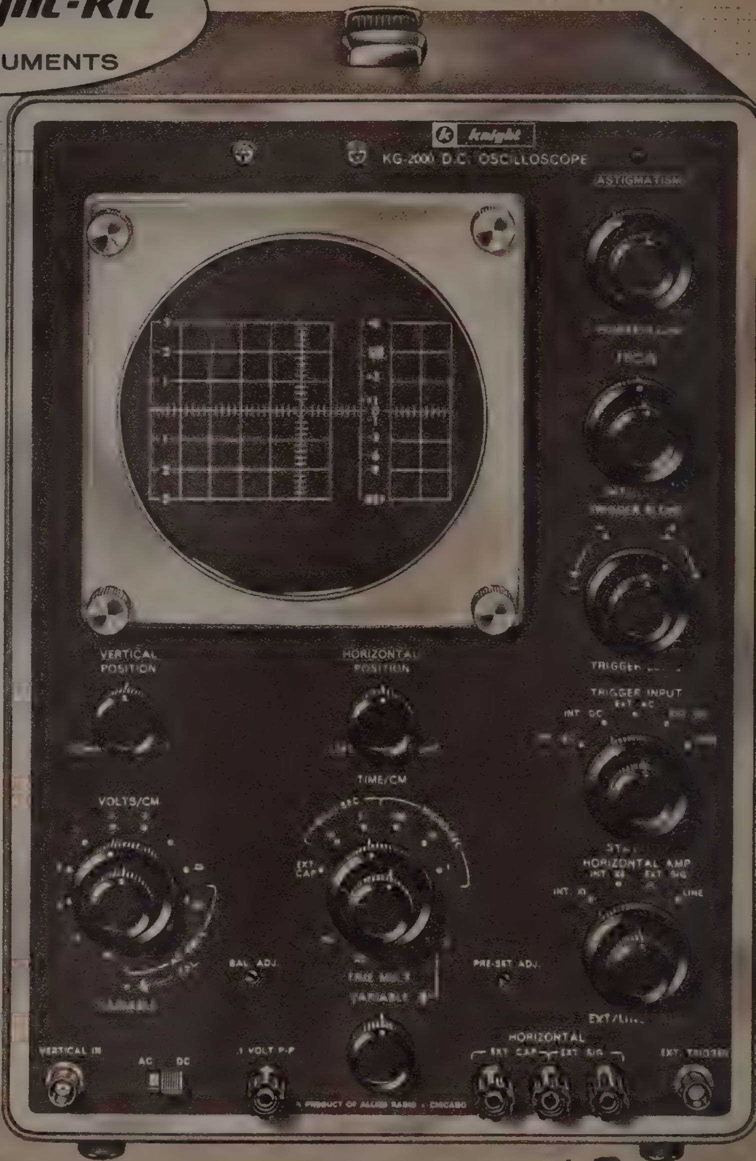
knight-kit
TEST INSTRUMENTS

SKILLFULLY ENGINEERED . . .

HIGHEST ACCURACY . . .

PERFORMANCE PROVEN . . .

ECONOMICALLY PRICED . . .


knight
KG-2000 D.C. OSCILLOSCOPE
ASTIGMATISM
TRIGGER
VERTICAL POSITION
HORIZONTAL POSITION
TIME/CM
VOLTS/CM
EXT. CAP
TRIGGER INPUT
INT. DC
EXT. AC
HORIZONTAL AMP
INT.
EXT. SIG
LINE
BAL. ADJ.
PRE-SET ADJ.
VARIABLE
EXT/LINE
VERTICAL IN
AC
DC
1 VOLT P-P
HORIZONTAL
EXT. CAP
EXT. SIG
EXT. TRIGGER
A PRODUCT OF ALLIED RADIO • CHICAGO

$\$199^{50}$

$10 monthly

meets or exceeds the requirements of both industry and laboratory . . . represents your finest value in a do-it-yourself professional instrument!

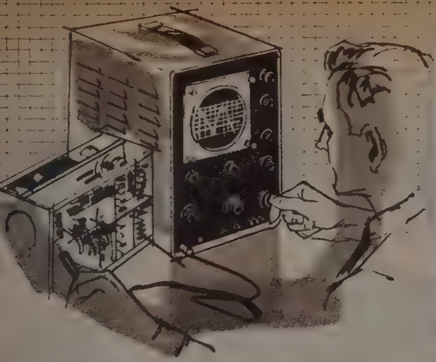
IDEAL FOR USE IN:

Industrial Servicing where day-in and day-out dependability is needed.

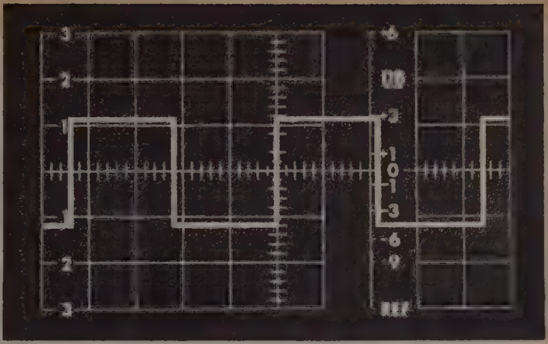
At-Home Engineering where professional performance and minimum cost are "musts."

Classroom Study where simplicity of operation and accuracy are required.

KG-2000 Lab Oscilloscope Meets or Exceeds Industry Standards



A Most Versatile Test Instrument—Fulfills Practically Every Lab or Service Requirement.



Excellent Lock-In Characteristics and Linearity Allow Viewing Stable Waveform Presentations Even at Upper Frequency Limits.

KG-2000 DC to 5-Mc Laboratory Oscilloscope Kit

OFFERS THE SWEEP RANGE, FREQUENCY RESPONSE, AND SENSITIVITY NEEDED FOR TODAY'S COMPLEX ELECTRONIC EQUIPMENT

- 85 Nanoseconds Rise Time
- Vertical Off-Scale Position Indicators
- DC-Coupled Vertical and Horizontal Amplifiers
- Flat-Face 5-Inch CRT With P2 Phosphor
- Horizontal Response from DC to 500 kc
- Triggered Sweep—200 Nsec/cm Down to .05 Sec.
- Regulated High and Low-Voltage Power Supplies
- Shunt-Series Peaking for Accurate Pulse Response

curacy, reliability and precision engineering are vital st equipment necessities in this space-age. In answer to ese needs, Knight-Kit developed the KG-2000 DC 5 Mc Oscilloscope, with performance that meets vir- ally any lab or shop requirement. Engineers and tech- cians find this professional instrument offers performance eviously available only at a far higher price.

C to 5 mc vertical amplifier response permits the display pulses of fast rise time. Both trigger and amplifier circuits e DC coupled throughout for applications where very w frequencies or DC levels must be displayed. Vertical -scale indicators provide maximum convenience in view- g traces. Horizontal displacement is such that the pattern never off-scale left or right.

eset lock-in eliminates the need to synchronize sweep th input signals of various amplitudes or frequencies. eset may be disabled; a separate control locks in any rtion of a signal (negative or positive slope).

A signal as small as ½ cm on the CRT face will permit triggering. Sweep range adjustable from 200 nanoseconds/cm down to .05 seconds/cm. External capacitor can be connected to front-panel binding posts for slower sweep speeds. Sweep timing accuracy capability within 3%.

Camera mounting studs for standard camera mounts; low-loss BNC-type connectors. 6x10 cm CRT display area with scale calibrations of +6 to −9 db; x and y linear grid. Adjustments for intensity, focus, astigmatism, positioning and graticule illumination. Color-correlated controls grouped by function for fast, accurate use.

21 tubes, plus flat-face 5" CRT with P2 phosphor, and 7 diodes. 14¼x10⅛x15½". Light gray case; dark gray panel with white and red markings. Instructions. 175 watts. For 110-130 v., 50-60 cycle AC. 35 lbs.

83 YU 910-G. *$10 Monthly*..................... **199.50**
83 YZ 575-G. Factory assembled. Shpd. express.... 295.00
83 Y 949-G. Wired Low-Cap Probe. Wt., 1 lb........ 20.00

KG-2000 SPECIFICATIONS

Vertical Bandwidth on DC: DC to 5 megacycles, 3 db down. Less than 2% overshoot on a 500 kc square wave. Reference to 1 kc, with vertical display height of 6 cm, sensitivity from .05 v/cm to 20 v/cm.

Vertical Bandwidth on AC: With AC preamp in .005, .01 and .02 v/cm ranges, 5 cps to 1.5 mc, 3 db down. Reference to 1 kc and vertical display height of 6 cm. On ranges from .05 to 20 v/cm, AC response is 5 cps to 5 mc, 3 db down.

Rise Time: 85 nsec, vertical display height of 6 cm or less.

Vertical Sensitivity: DC coupled, .05 volt P-P/cm. AC coupled, .005 volt P-P/cm.

Input Impedance: 1 megohm shunted by 40 mmf.

Calibration Voltage: .1 volt P-P, ± 5% at front panel.

Horizontal Bandwidth: DC to 500 kc, within 3 db down.

Horizontal Sensitivity: Approximately .15 volt/cm. Has variable attenuator on front panel.

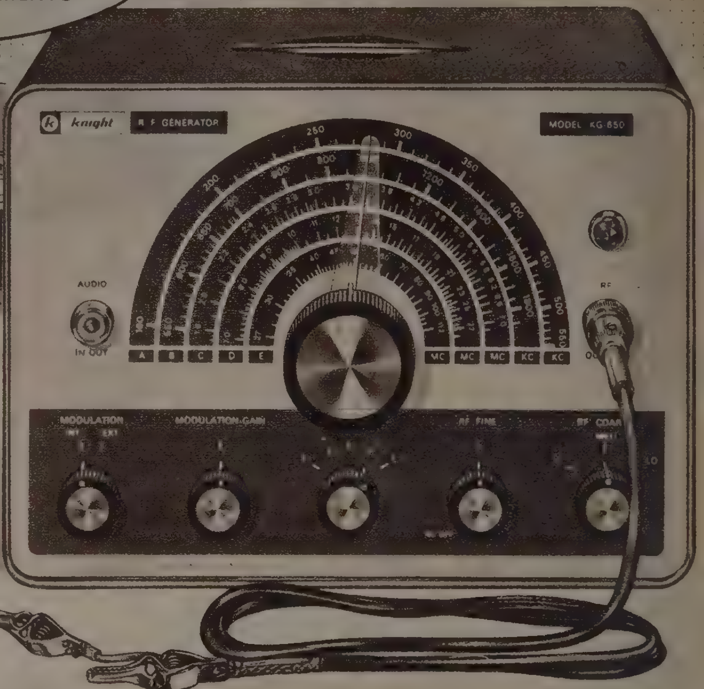
Input Impedance: 1 megohm.

Sweep Range: .05 sec/cm to 200 nsec/cm in 16 ranges by use of basic sweep ranges (10 millisec, 1 millisec, 100 microsec, 10 microsec, 1 microsec) and horizontal sweep plus X5 expansion. 10:1 multiplier vernier control; multiplier switch. Provision for adding external capacitor for very slow sweeps. Sweep timing accuracy capability within 3%.

Triggering: Sensitivity, 200 mv external; ½ cm deflection internal. Inputs, line, external AC and DC, internal AC and DC. Level adjustable for triggering, or may be preset.

knight-kit
TEST INSTRUMENTS

For Accuracy, Dependability Versatility and Economy



First choice of servicemen, technicians and hobbyists . . . everyone who must get the most for each test equipment dollar . . .

With Leads

$\$22^{95}$

$5 monthly

WIDE VARIETY OF USES

TV Marker Generator
RF Alignment
IF Strip Alignment
Oscillator Alignment
Signal Tracing Circuits
400 Cps Audio Generator
Testing Small Speakers
Checking Video Stages
AM, FM, TV Service
—and Many More!

KG-650 SPECIFICATIONS

Frequency Ranges—Calibrated Fundamentals: Band A, 160 to 550 kc; Band B, 550 to 1850 kc; Band C, 1850 kc to 7 mc; Band D, 7 to 27 mc; Band E, 27 to 112 mc.

Calibrated Second Harmonics: usable up to 224 megacycles.

Radio Frequency Output: in excess of 400,000 microvolts.

Modulation Frequency: 400 cps.

Audio Output: in excess of 10 volts at 400 cycles per second.

Attenuator: 3-position switched plus continuously variable.

Tube Complement: 1—6C4; 1—12AT7; 1—selenium rectifier in power supply.

Popular Model KG-650 RF Signal Generator Kit

- Fundamental Range of 160 kc to 112 mc—Calibrated Harmonics to 224 mc
- Uses Precision Wound Coils in Colpitts Circuit—Requires No Calibration
- 3 Outputs: Modulated and Unmodulated; 400 cps Audio Sine Wave
- RF Output Over 400,000 Microvolts
- Audio Output over 10 Volts
- Provision for External Modulation Sources; Cathode Follower Outputs

TV, AM and FM alignment become a snap with this wide-range, extremely stable RF signal generator kit! Easy to build, the KG-650 can be a real time and labor-saving trouble-shooter for you. Its wide range fundamental output is divided into five separate bands for quick and precise selection of the desired range. A large, clearly calibrated dial, with vernier drive and easy-to-grip knob assure accuracy in the setting of individual frequencies on all bands.

Includes both step and continuous-type attenuators for exact adjustment of the output voltage. This output is available unmodulated, or modulated by the 400 cycle per second built-in audio oscillator. External modulation can be used, as well. The KG-650 is ideal for use as a marker for sweep generators—see facing page. A 400-cycle output, adjustable to more than a 10-volt level, is provided for checking audio amplifiers, small speakers, and other audio devices. Cathode follower outputs are used for maximum isolation and highest stability.

Both audio and RF oscillators are of the highly stable Colpitts type, using precision wound coils—no calibration is required. Transformer-operated power supply for reliable service and operating safety. Size 7¼x10⅛x5¼″. Black metal case; charcoal-gray and silver front panel. Includes all parts, leads, detailed assembly plans and operating instructions. For 110-130 v., 60 cycle AC. Wt., 9 lbs.

83 Y 953-G. *$5 Monthly* **22.95**
83 Y 574-G. Above, but factory assembled **32.95**

Make Servicing Easier With These Performance-Proven *knight-kits*

KG-652 RF Sweep Generator Kit

With Leads **$44^95** **$5 monthly**

An outstanding, low-cost instrument for precise TV and FM sweep alignment. Develops a wide, linear, and stable sweep with continuous frequency coverage from 300 kc to 250 mc. Output is better than 0.15 volts, kept constant within 1 db on all ranges by use of automatic gain control circuitry and voltage regulation. An excellent choice for production line testing, electronic training and technical development work.

Has: electronic retrace blanking; electro-mechanical reactance modulator circuit; built-in crystal marker oscillator with dual crystal socket and switch for selecting either of two marker crystals (not supplied, see below); provision for mixing crystal and external markers. Filtered output on Band A attenuates signals above 50 mc.

8⅝x12⅛x7". Black metal case; charcoal-gray/silver panel. Instructions. With leads; less crystals, below. For 110-130 v., 60 cycle AC. 19 lbs.

83 YX 974-G. *$5 Monthly* **44.95**
83 Y 052-G. 4.5-mc Crystal. ±.005%. 3 oz. **4.80**
83 Y 050-G. 5-mc. Crystal. ±.02%. 3 oz. **3.95**
83 Y 051-G. 10.7-mc Crystal. ±.02%. 3 oz. **3.95**

knight
KG-652 RF SWEEP GENERATOR
CRYSTAL
A B C D
MARKER AMPLITUDE
OUTPUT CONTROL
MARKER INPUT
SWEEP OUTPUT
BAND

KG-652 SPECIFICATIONS

Frequency Range: 300 kc to 250 mc continuous, in 4 bands. All on fundamental frequencies.
RF Sweep Output: in excess of .15 volts, regulated to assure constant output over swept range within 1 db on all bands.
Sweep Frequency and Width: 60 cycles; 0 to 13 mc on all bands.
Horizontal Sweep Voltage: 5 volts (rms), 60 cycle sine wave.
Phase Control: blanking shift 0 to 180 degrees.
Marker: internal crystal oscillator with dual crystal socket and front-panel selector switch; amplitude control.
Output Controls: both step and fine for RF; marker separate.
Tube Complement: 1—6BQ7A; 1—6J6; 1—12AU7; 1—6AQ5; 1—6AU6; 1—12AT7; 1—6X4 rectifier.

knight
KG-653 AUDIO GENERATOR
MEGACYCLES
DB
OUTPUT LEVEL
FREQUENCY RANGES
VOLTAGE ATTENUATION

KG-653 SPECIFICATIONS

Frequency Coverage: 20 cps to 1 megacycle, in 5 ranges.
Output: continuously variable and step attenuated (calibrated in 20 db steps to 80 db), 0 to 10 volts (rms) into 600 ohms, flat within ±1 db entire range.
Distortion: less than .25% from 100 cps to 20 kc; less than .3% over the entire tuning range; less than .5% when driving 600 ohms load at 2 volts (rms) output.

Model KG-653 Sine Wave Audio Generator Kit

With Leads **$37^95** **$5 monthly**

Engineered for precise testing of high-fidelity amplifiers, tone-control circuits, speakers and other audio devices. Speeds up and adds highest accuracy to any servicing requiring calibrated, continuously variable sine wave audio signals. Features the famous Sulzer Oscillator circuit, developed at the National Bureau of Standards.

Stable, uniform output (±1 db) is available from 20 cps to 1 megacycle. Operates into either high impedance or 600-ohm loads. A step-attenuated output voltage control plus a continuously variable level control allow precise output adjustment in 20 db steps to 80 db. Exceptional stability and optimum isolation is achieved by use of second cathode follower between oscillator and load.

Full-wave power supply is extremely well filtered. Size, 7¼x10⅛x8½". Black steel case with contrasting charcoal-gray and silver front panel. Supplied with all parts, wire, solder, leads and detailed instruction manual. For operation from 110-130 v., 60 cycle AC. Shpg. wt., 18 lbs.

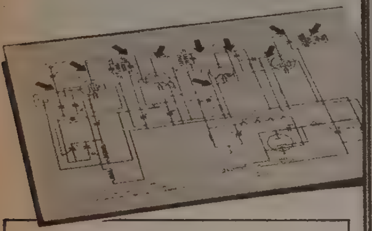
83 YX 973-G. *$5 Monthly* **37.95**

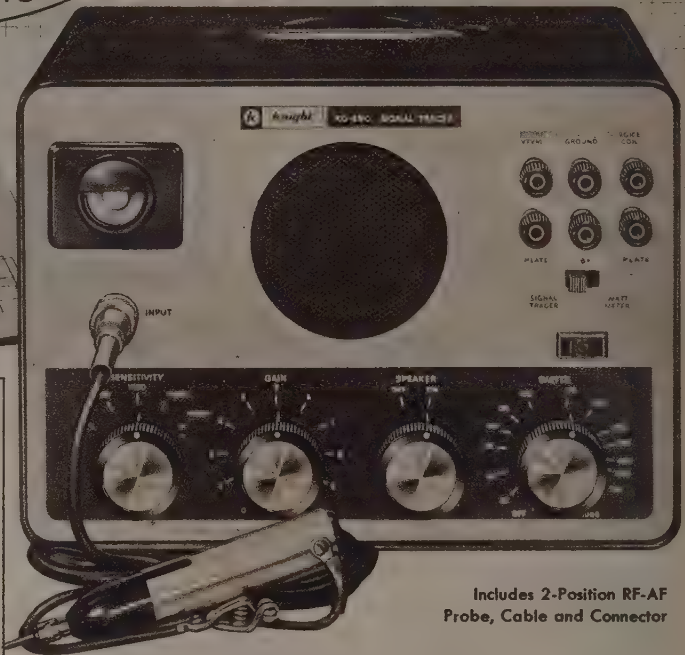
knight-kit

TEST INSTRUMENTS

For Speedier Servicing

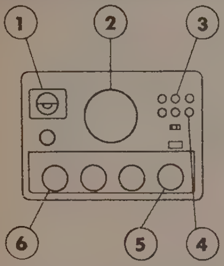
For extremely fast, convenient signal tracing by aural and visual methods—traces IF, RF, video and audio circuits. High gain for low-level signals.





Includes 2-Position RF-AF Probe, Cable and Connector

CHECK THESE FEATURES!



1. "Magic Eye" indicator opens and closes to show signal strength. Also used in conjunction with calibrated wattmeter control for power consumption measurements.

2. Four-inch PM speaker for aural tracing and substitution use. With microphone (not supplied) as input, serves as utility P.A. amplifier; with noise locator circuit, isolates noisy controls, resistors, faulty transformers, intermittent capacitors.

3. Special binding post accommodates VTVM and scope for simultaneous measurements, alignment.

4. Substitution binding posts allow use as substitute output transformer, audio amplifier, test speaker and as B+ power supply.

5. Wattmeter control is directly calibrated in watts—accurately indicates, with "Magic Eye," power consumption of device under test.

6. A 5-step selector switch controls relative sensitivity of signal tracer. Gain control, used in conjunction with selector switch, permits intermediate sensitivity settings.

Model KG-690 High-Gain Signal Tracer Kit

With Probe

$27.95

$5 monthly

- Traces RF, IF, Video and Audio Circuits
- High Amplification—Gain of 91,000
- Traces Very Low Signal Levels
- Wattmeter Calibrated 25 to 1000 Watts

There's a place for this highly versatile test instrument on every test bench and in every hobby corner! Easy-to-build, extremely worthwhile unit saves you work and trims valuable time from hundreds of servicing jobs. Use it for fast, accurate analysis of radios, tuners, TV, hi-fi consoles, amplifiers, Citizens Band, Amateur and other electronic equipment. Lets you signal trace RF, IF, video and audio circuits by both aural and visual methods. "Magic Eye" tube, used with calibrated attenuators, indicates signal presence and permits stage-by-stage gain measurements. 4" PM speaker is used for audible tracing. The KG-690 can be used as a general-purpose audio amplifier, as well. Built-in wattmeter is calibrated from 25 to 1000 watts—accurately indicates power consumption of unit under test. Binding posts permit easy substitution servicing; also used for direct connection of scope and/or VTVM when multiple measurements are to be made. 7⅛x10⅛x5¼". Black metal case; charcoal-gray and silver panel. With all parts, probe, and detailed, step-by-step assembly instructions. For 110-130 v., 60 cycle AC. Shpg. wt., 15 lbs.

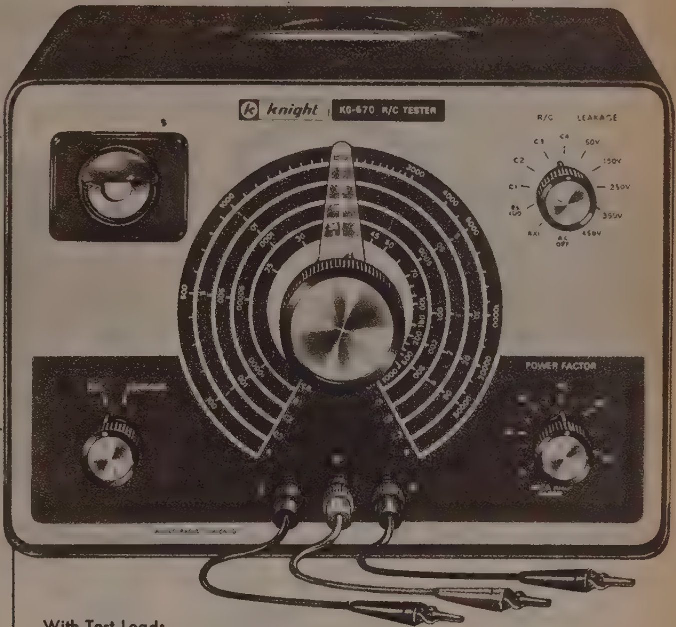
83 Y 955-G. *$5 Monthly*..**27.95**

KG-690 SPECIFICATIONS

Preamplifier Voltage Gain: 91,000 at maximum sensitivity. **Probe Input Capacity:** 6 mmf. **Wattmeter Calibration:** from 25 to 1000 watts, read from front-panel control. **Speaker:** built-in 4" permanent magnet type. **Substitution Circuits:** B+, speaker, output transformer. **Noise Locator Test:** places a DC potential across the circuit or component under test. **Power Supply:** transformer-operated full-wave rectification, delivering well-filtered DC.

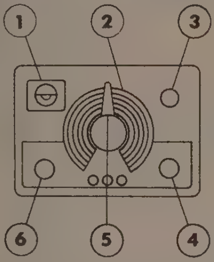
and Bigger Profits Use These Accurate Testers

Employs laboratory-type, balanced-bridge circuitry for accurate measurements of both resistance and capacitance. Uses sensitive "Magic Eye" tube for null indicator.



With Test Leads,
Banana Plugs and Alligator Clips

CHECK THESE FEATURES!



1. "Magic Eye" indicator clearly shows bridge balance by null indication (maximum shadow). It is also used for determination of opens, shorts, intermittents, and in checking power factor of electrolytic capacitors.

2. Complete direct reading ranges of resistance and capacitance values on large, easy-to-read front panel—no need for time-consuming calculations or complicated interpolations.

3. Twelve-position function switch groups major tests into one convenient control—simplifies assembly, too.

4. Power Factor switch with its own calibrated dial (used with "Magic Eye") provides a direct-reading indication of an electrolytic's efficiency.

5. Sure-grip ribbed knob and see-thru plastic pointer with hairline for accurate reading of resistance and capacitance values at a glance.

6. Leakage switch applies selected potential to capacitor under test. "Eye" shows true condition—open, short or intermittent. For safety, special circuitry discharges test capacitor when switch is released.

Model KG-670 Resistor-Capacitor Tester Kit

With Leads
$21.95
$5 monthly

- Measures Resistance From 100 Ohms to 5 Megohms
- Measures Capacitance From .00001 to 1000 mfd
- Proven AC-Operated Bridge-Method Measurement
- Tests Capacitors at Rated DC Voltages

The Knight-Kit KG-670 Resistor-Capacitor Tester is an extremely versatile, and accurate test instrument. Designed for top-notch performance in the service shop, lab, home hobby corner, and on production lines, it saves you work and trims valuable time from hundreds of servicing and testing jobs. Measures resistances and capacitances with an accuracy of 10% by the dependable AC-operated bridge method. Two resistance ranges cover 100 ohms to 5 megohms; four capacitance ranges cover 10 micromicrofarads to 1000 microfarads. Large, easy-to-read dial, used in conjunction with the "Magic Eye" null indicator, shows component value at a glance. Checks for opens, shorts, and intermittents in paper, mica, and ceramic capacitors; indicates the power factor of electrolytics by providing a direct-reading indication of efficiency. Capacitors are tested at actual rated voltage—DC potentials of 50, 150, 250, 350, and 450 volts are provided. For safety and capacitor protection, special circuitry discharges the capacitor under test when the Leakage switch is released. Size, 7¼x10⅛x5¼". Black steel case; charcoal-gray and silver front panel. With all parts, wire, solder, tubes, and detailed, step-by-step instructions. For 110-130 v., 60 cycle AC. Shpg. wt., 10 lbs.

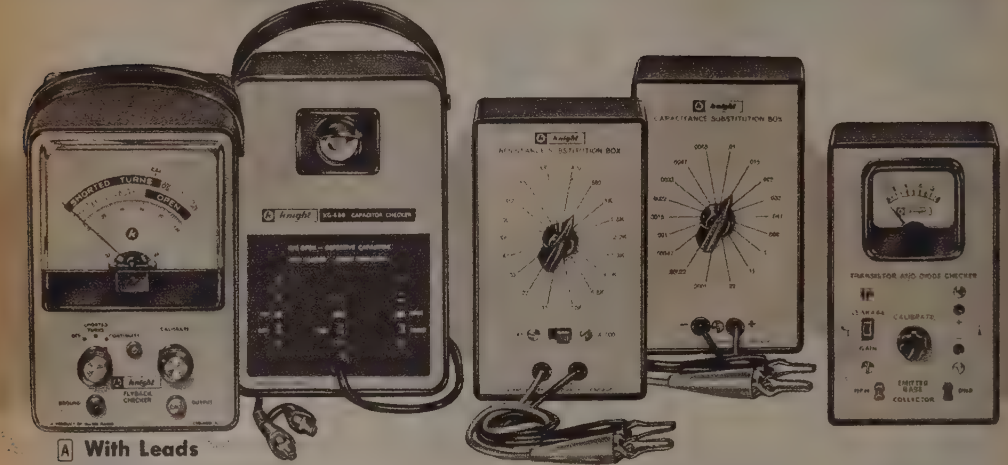
83 Y 901-G. *$5 Monthly*..**21.95**
83 Y 580-G. Above, factory assembled. *$5 Monthly*......Was $29.95 **26.95**

KG-670 SPECIFICATIONS

Resistance Ranges: Rx1—100 to 50,000 ohms; Rx100—10,000 ohms to 5 megohms. **Capacitance Ranges:** C1—.00001 to .005 mfd; C2—.001 to .5 mfd; C3—.1 to 50 mfd; C4—20 to 1000 mfd. **Leakage Test Voltages:** 50, 150, 250, 350, and 450 volts DC. **Power Factor Calibration:** 0 to 50%, direct-reading at front panel. **Power Supply:** transformer-operated half-wave rectifier.

knight-kit
TEST INSTRUMENTS

Low-Cost Testing Aids for Home, Shop or Lab


SHORTED TURNS OPEN
knight FLYBACK CHECKER
CALIBRATE
knight KG-680 CAPACITOR CHECKER
knight RESISTANCE SUBSTITUTION BOX
knight CAPACITANCE SUBSTITUTION BOX
TRANSISTOR AND DIODE CHECKER
CALIBRATE
GAIN
EMITTER BASE COLLECTOR

A With Leads New Low Price $19.95 $5 monthly

B With Leads New Low Price $11.95

C With Leads $5.95

D With Leads $5.95

E With Leads $6.95

A KG-667 Flyback/Yoke Checker Kit

Race through TV deflection circuit repairs with this low-cost kit. Checks horizontal output transformers, deflection yokes, linearity and width coils of TV sets. Provides an accurate test of standard components. Indicates shorted turns in any coil with Q greater than 1, and inductance between .003 henry and 2 henrys. Determines continuity of any circuit with resistance between 0 and 0.5 megohm. Uses 6S4A tube in a pulsed oscillator circuit. 4½", multi-colored 400-microamp meter shows readings at a glance. Transformer power supply. Size, 7¾x5⅜x5". Black metal case, charcoal-gray and silver front panel. With leads. For 110-130 v., 60 cycle AC. Wt., 6 lbs.

83 Y 984-G. Was $21.95. *$5 Monthly* **19.95**

B KG-680 Capacitor Checker Kit

Actually test capacitors while they are wired in the circuit! Valuable, time-saving feature is a real boon to servicemen, technicians and hobbyists who service and maintain electronic equipment. No need to unsolder—just connect the test leads across suspected capacitor, press proper switch, and the "Magic Eye" shows open or short condition (not leakage). Checks by-pass, blocking, coupling and filter capacitors. The test for opens and shorts can be made on any capacitor of 20 mmf or greater capacity, even if the capacitor is in parallel with a resistance as low as 50 ohms. The test for shorts can be made on any capacitor up to 2000 mfd even when shunted by as low as 50 ohms. Size, 7¾x5⅜x5". Black metal case, charcoal-gray and silver front panel. With leads. For 110-130 v., 60 cycle AC. Shpg. wt., 5 lbs.

83 Y 952-G. Was $14.95. . . . . **11.95**

C Resistance Substitution Box Kit

Convenient switch selects any one of 36 standard E.I.A. 10% 1-watt resistor values, 15 ohms to 10 megohms. You can easily find the correct resistance value required in seconds—saves valuable time in radio and TV servicing as well as in equipment design. Two ranges: 15 to 10,000 ohms; and 15,000 ohms to 10 megohms. Has 18 position rotary switch for rapid setting and quick assembly. Size: 6¼x3¾x2". Aluminum panel; black bakelite case. With leads. Shpg. wt., 2 lbs.

83 Y 139-G **5.95**

D Capacitance Substitution Box Kit

Contains eighteen 20% tolerance capacitors which cover a range from .0001 to .22 microfarads. A great time and labor-saving device, it's tremendously popular among servicemen, experimenters and hobbyists. Each capacitor can be switched in and out of a circuit without disconnecting test leads. Makes it very easy to determine value. All capacitors rated 600 volts DC, except .15 and .22 mfd are 400 v. Aluminum panel; black bakelite case. 6¼x3¾x2" With leads. 2 lbs.

83 Y 138-G **5.95**

E Transistor/Diode Checker Kit

Measures leakage-to-gain ratio of junction, point-contact and surface-barrier transistors. Matches pairs of transistors. Checks germanium and silicon diodes, seleniums and copper oxide rectifiers for reverse current conduction, and front-to-back ratio. Makes noise level tests: Has: spring-return leakage/gain switch; adjustable forward current control; separate sockets for PNP and NPN types. Sensitive 1-ma meter movement. 6¼x3¾x2⅝". Bakelite case, aluminum panel. With leads. Less battery, below. 2 lbs.

83 Y 900-G **6.95**

55 J 064-G. 22½-volt Battery. Wt., 2 lbs. . . . **1.05**

Fast-Acting, Sensitive and Performance-Proven!

knight-kit
HOBBYIST KITS

Photoelectronic Relay Kit

- Includes Highly Sensitive Cadmium-Selenide Photocell
- Easily Set for Trip or Automatic Operation
- Provides As Many As 600 Counts Per Minute
- Excellent for Burglar Alarm and Light Control Use

You'll find all kinds of uses for this dependable, light-controlled switching device. Turns lights on and off; opens doors; counts; acts as a burglar alarm; even "announces" customers. Practically any light source activates it—auto headlights, a flashlight, daylight, or optional light source kit, below. Offers selectable operation: "Trim" for burglar alarm provides continuous ringing of alarm once light beam is broken; "Auto" if relay is to be operated each time light is blocked. Up to 600 counts per minute. Supplies 6.3 v. AC at 0.6 amps for counter or alarm. With sensitive cadmium-selenide photocell and thyratron circuitry. 4x3x5". With all parts, instructions. For 110-130 v., 60 cycle AC. 3 lbs.

83 Y 702-G **12.95**

LIGHT SOURCE KIT. Consists of transformer-operated sealed-beam bulb that will actuate relay from over 500 feet. Deep-red plastic filter; steel case, chrome trim. 6x6x4¼". For 110-130 v., 60 cycle AC. 5 lbs.

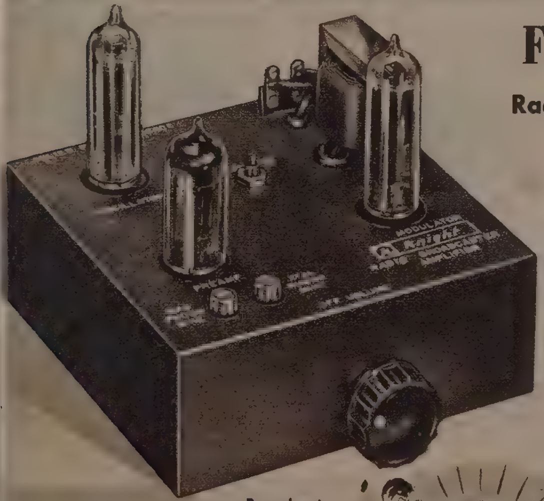
83 Y 703-G **7.75**

83 Y 007-G. Chime. For announcing, etc. 2 lbs. **4.80**

Relay Kit
$12.95
With Photocell
$7.75
Light
Source Kit

For Fun-Packed Hours

Radio Broadcaster/Audio Amplifier Kit



$11.95

- Plays Through Any Nearby AM Radio
- Use It With a Phonograph or Microphone
- Excellent As a Wireless "Baby Sitter"
- Requires No License or Permit to Use

Simply jam-packed with fun for the entire family, this popular Knight-Kit lets you broadcast through any AM radio in the house! Just plug in a microphone or record player and you're "on the air." Surprise visiting friends by tuning in radio shows on which you are the announcer or entertainer. Enjoy records anywhere in the house by tuning them in on the nearest radio, without direct connections to set.

Can easily be used as a phono amplifier with an external PM speaker and record player. With microphone, it becomes a handy P.A. system. Use it for an electronic "baby sitter"—listen in for sounds from the nursery. Just like a regular broadcasting station, this easy-to-build kit tunes to any frequency from 600 to 1500 kc and is readily adjustable.

Can be used with magnetic, crystal or ceramic phono cartridges, and with high output microphones. Equalized for use with magnetic cartridges. Size, 4½x5x6". Supplied with all parts, wire, solder and detailed, step-by-step instructions. Less mike, below. For 110-130 v., 50-60 cycle AC or DC. Wt., 3 lbs.

83 Y 706-G **11.95**

83 Y 296-G. Crystal Mike. Wt. 2 oz. **1.98**

SING, SPEAK, AND EVEN PLAY RECORDS THROUGH YOUR AM RADIO —ABSOLUTELY NO CONNECTIONS TO THE SET

Broadcasts Just Like a Real Radio Station

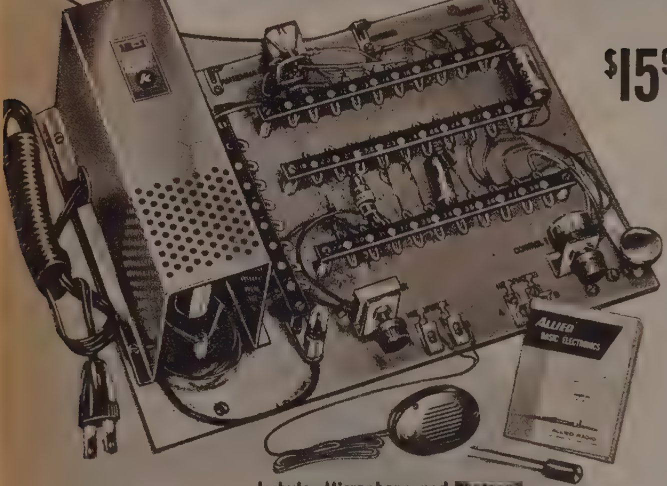
Great As a Phono or Audio Amplifier

knight-kit
ELECTRONIC LABS

There's Fun for All With the 12-in-1 Electronic Lab Kit

$15.95

GREAT WAY TO GET INTO ELECTRONICS AS A HOBBY



Includes Microphone and Photocell

Build Any of These 12 Amazing Projects

- CODE PRACTICE OSCILLATOR
- ELECTRONIC FLASHER
- VOICE RELAY
- CODE TRANSMITTER
- AUDIO AMPLIFIER
- BROADCAST RECEIVER
- ELECTRONIC TIMER
- CAPACITY RELAY
- WIRELESS BROADCASTER
- LIGHT RELAY
- ELECTRONIC SWITCH
- MAGIC MUSIC OSCILLATOR

FREE!
Basic Electronics Book
with purchase of 12-in-1 kit

Think of all the fun you'll have making electronic "magic" with this fascinating and educational lab kit! You learn the basic fundamentals of electronics the enjoyable Knight-Kit way—while performing 12 practical and interesting projects. Surprise everyone by broadcasting your voice through any AM radio in the house. Control electrical devices by stepping on a metal plate . . . by speaking into a microphone . . . by flashing a light on a photocell. Make "music" by moving your hands in a beam of light. Listen to your favorite programs on your own AM receiver.

In addition, you build a code oscillator, code transmitter, electronic switch, timer, flasher, and audio amplifier. Each project demonstrates important electronic principles. Free "Basic Electronics" book is a helpful study guide.

After parts are mounted, resolder leads to change circuits. Transformer power supply. 8x11" mounting board. All parts, mike, instructions. Less headphone, below. For 110-130 v., 50-60 cycle AC. 4 lbs.

83 Y 207-G. With Free Book........**15.95**
83 Y 028-G. Single Headphone. 8 oz.....**1.08**

21-in-1 Transistor Lab Kit

WITH HEADPHONES AND PHOTOCELL

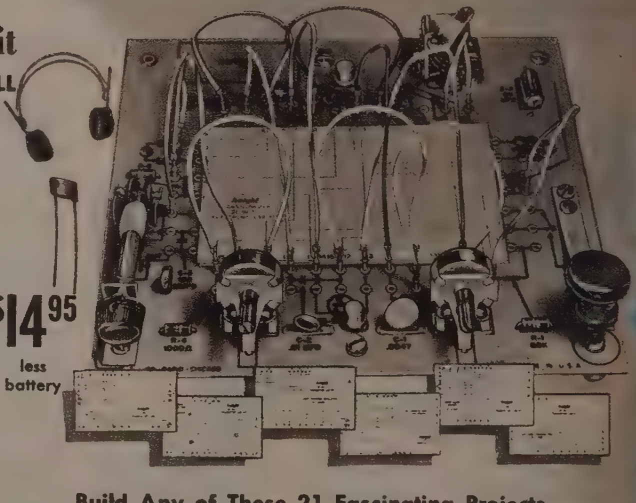
What fun you have with the exciting 21-in-1 Transistor Lab Kit! Operate your own radio station—broadcast through any nearby radio. Amaze your friends by turning electrical equipment off and on with your voice, or with a beam of light. Hear local radio stations on any of the AM receivers—there's even one that runs from sunlight! Catch the "burglar" with body-capacity type alarm. All in all, you perform 21 interesting; fun-filled projects.

Durable printed circuit board makes assembly really easy. Plug in parts and solder them just once. Follow the layout shown on special guide cards—pin-type leads plug into numbered jacks—go from one project to another by rearranging leads.

Detailed manual includes a concise, clearly written explanation on what each circuit does and what makes it work. Supplied with all parts including 2 transistors, dual headphones (also used as microphone), plug-in leads, guide cards, relay, and photocell. Battery powered, less battery, below. Shpg. wt., 2 lbs.

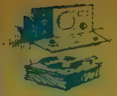
83 Y 624-G......................**14.95**
83 Y 213-G. Battery. 4 oz...............**87c**

$14.95
less battery



Build Any of These 21 Fascinating Projects

- SOLAR-POWERED OSCILLATOR
- LIGHT-OPERATED RELAY
- BODY-CAPACITY ALARM
- SOLAR-POWERED RADIO
- VOICE-OPERATED RELAY
- WIRELESS BROADCASTER
- MAGIC MUSIC MAKER
- 1-TRANSISTOR RADIO
- 2-STAGE AM RADIO
- ELECTRONIC FLASHER
- ELECTRONIC SWITCH
- ELECTRONIC SCALE
- AUDIO AMPLIFIER
- ELECTRONIC TIMER
- ELECTRONIC CAT
- TELEPHONE
- SIGNAL INJECTOR
- BURGLAR ALARM
- CW TRANSMITTER
- LIGHT RECEIVER
- CODE OSCILLATOR


Phonograph Amplifier

AM Radio Receiver

Radio Broadcaster

knight-kit

100-in-1

ELECTRONIC LAB KIT

Light Meter

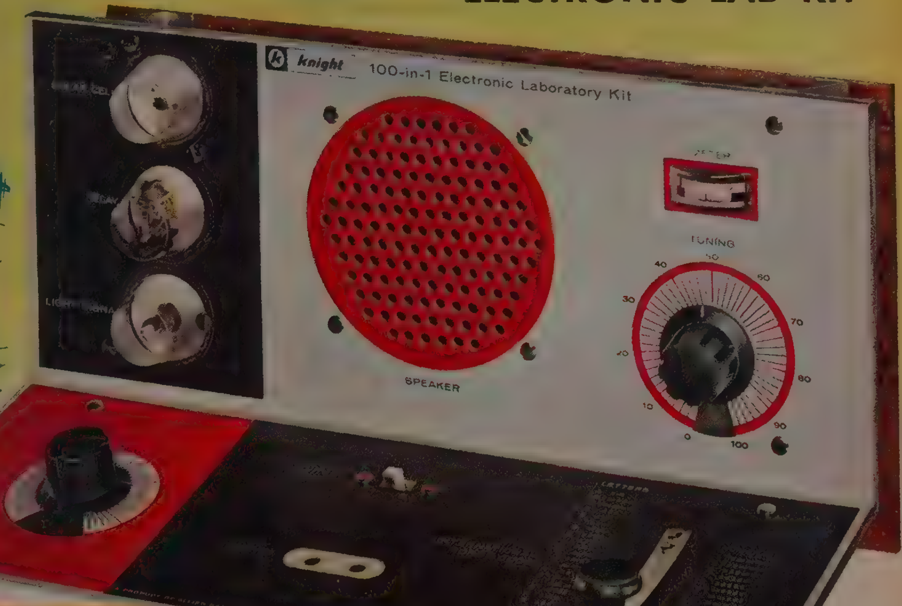
Telephone Intercom

Code Transmitter

Applause Meter

Lie Detector

Burglar Alarm



Everything Included—
Nothing More to Buy . . .

LOOK AT ALL YOU BUILD!

Electronic Cat	Photoelectric Relay
Metronome	Air Powered Radio
Code Flasher	Magic Music Oscillator
-Transistor Radio	Polarity Checker
Signal Injector	Tube Checker
Morse Code Buzzer	DC Voltmeter
Electronic Squealer	AC Voltmeter
Mike Preamplifier	"S" Type Meter
Code Oscillator	Transistor Checker
Electronic Switch	Electronic Scale
Audio Amplifier	Tube Diode Radio
Conelrad Monitor	Electronic Timer
ight Receiver	Electrolyte Checker
-Transistor Radio	Signal Generator
Timer	Hybrid Light Meter
Battery Tester	Light Operated Relay
Diode Checker	Vacuum Tube Voltmeter
Volume Unit Indicator	Hybrid Signal Tracer
Crystal Set	DC Milliammeter
CW Monitor	AC Milliammeter
Ohmmeter	Grid Leak Radio
oat Horn	Electronic Thermometer
ire Alarm	DC Microammeter
ybrid Radio	Output Level Indicator
ybrid Voice Relay	Electronic Talker

PLUS MORE THAN 50 MORE!

YOU PERFORM OVER 100 EXCITING EXPERIMENTS!

$26⁹⁵

$5 monthly

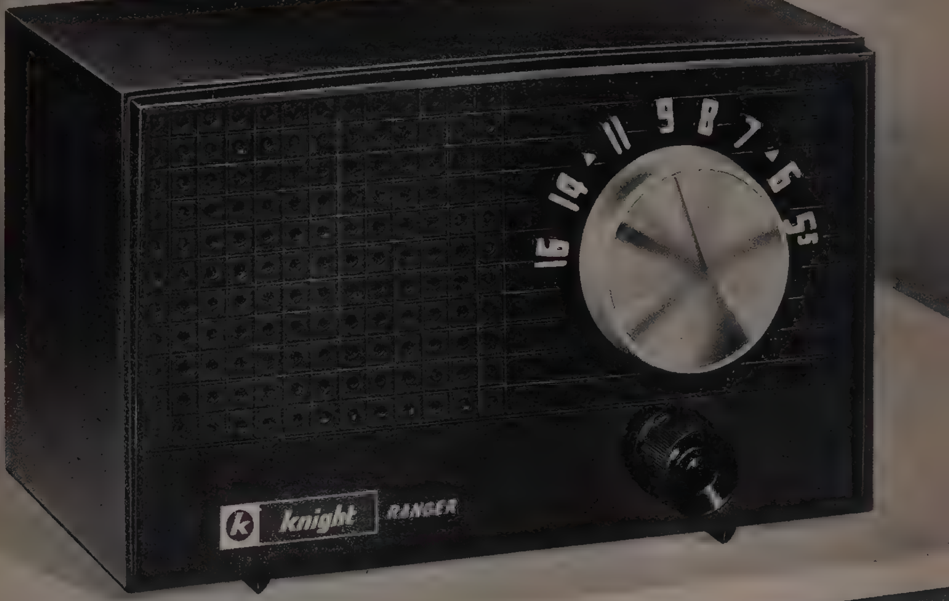
- Requires No Soldering—Use Just a Screwdriver
- Includes Both Transistor and Tube-Type Projects
- Complete Learn-As-You-Build Illustrated Instructions
- Transformer Powered for Safety and High Efficiency
- Uses Unique Spring-Type Connectors to Hold Leads

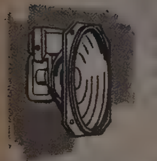
Perform over 100 electronic experiments with more fun, more thrills, more enjoyment than you ever dreamed possible! Apply every type of modern electronic component in creating useful, exciting projects that entertain as well as instruct. There's nothing like the 100-in-1 for students, hobbyists, aspiring technicians, and experimenters. You need only a screwdriver to build the 100-in-1—no soldering. Once the main parts are mounted on the master control panel, simply reposition a few leads and parts to quickly change circuits. Unique spring-type connectors hold wire and small components in place. Includes all parts, solar-type photocell, panel meter, tube and transistors, dual headset, loudspeaker and separate illustration of each project. 156-page manual has detailed explanation of how each circuit works. Size, 8x14½x8". For 110-130 v., 60 cycle AC. Shpg. wt., 8 lbs.

83 Y 997-G. *$5 Monthly* **26.95**

knight-kit
HOBBYIST KITS

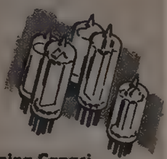
Build and Enjoy Your Own AM Table Radio!

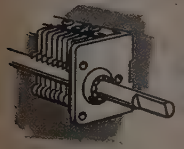




Built-in Alnico V Permanent Magnet Speaker Gives Clear, Full-Toned Sound.

Circuit Uses 5 Popular Miniature Tube Types—12BA6, 12BE6, 12AV6, 50C5, 35W4 Rectifier.





Tuning Capacitor Has Ball Bearings for Smooth Station Selection.

Instruction Manual Is Fully Illustrated for Ultimate Ease in Assembling Your Kit.

"Ranger III" AM Superheterodyne Radio Kit

FINEST QUALITY PARTS—PROVEN, EXPERT DESIGN!

$16.95

- Sensitive Superhet Circuit for Excellent Reception
- Has Smartly Styled, Acoustically Designed Cabinet
- Built-In Alnico V Permanent Magnet Speaker
- Built-In Hi-Q Loop Antenna; Has AVC Circuit

Enjoy the latest news, thrilling sports events, music, and a variety of interesting shows on a dependable, smartly styled radio that you build yourself! Featuring finest quality parts and expert design, the famous "Ranger III" table radio delivers outstanding reception of the entire standard AM broadcast band—tunes 540 to 1640 kc.

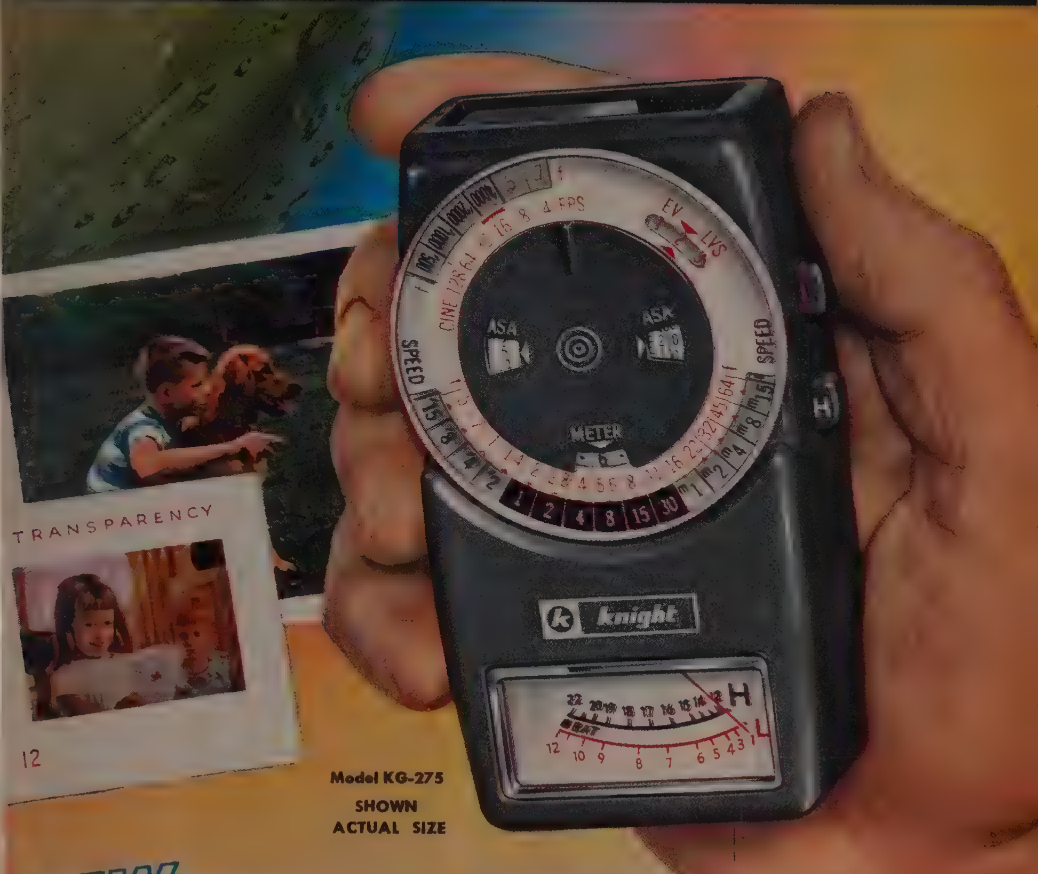
Utilizes highly sensitive 50C5 power output tube that delivers up to a full 1 watt of audio power to a large alnico V permanent magnet speaker. This, coupled with an attractive, acoustically designed cabinet produces rich, full tone. The superheterodyne circuitry uses a highly efficient built-in Hi-Q loop antenna for excellent sensitivity. Automatic volume control (AVC) minimizes annoying blasting and fading. And because multi-purpose tubes are used, the 4-tube circuit (plus rectifier) of this receiver is really simple to wire.

Miniature tubes used are: 12BE6, 12BA6, 12AV6, 50C5 and 35W4 rectifier. Smooth-tuning ball bearing capacitor permits easy station selection. Size, 5⅜x8⅝x4⅝". Supplied complete with all parts, wire, solder, black cabinet accented with white trim, and step-by-step instructions. For 110-125 v., 50-60 cycle AC, or DC. Shpg. wt., 5 lbs.

83 Y 736-G **16.95**

37 K 241-G. "Superheterodyne Converters and IF Amplifiers" book. By Rider. Many diagrams. 101 pages 5½x8½" Shpg. wt., 6 oz. **2.25**

Get the Right Exposure In Any Light!



Model KG-275
SHOWN
ACTUAL SIZE

NEW from knight-kit

Super-Sensitive KG-275 Exposure Meter Kit

- Cadmium Sulphide Type—Gives You Super Sensitivity
- Accurately Measures Both Reflected and Incident Light
- Virtually Guarantees A Perfect Picture Every Time
- Easy to Use—2-Range Meter, Pushbutton Selection

$15.88

The new Knight-Kit Exposure Meter Kit is a two-range meter that outperforms costlier units. Uses a super-sensitive, battery-powered cadmium-sulphide photocell to give you the correct exposure for perfect pictures—even under adverse lighting conditions. Great for color or black and white, snapshots or portraits, closeups or scenes, movies, too—every type of photography. You can even take readings of moonlit scenes. Reads reflected light from the subject, has built-in diffuser for incident light readings, pushbutton range selectors for low and high light levels. Color-coded scales calculate proper lens opening and shutter speed. Meter is protected against jolts when instrument is not in use. Pushbutton on the back of the unit actuates battery-test circuit. High-impact gray cycolac case. Uses two long-lasting 1.35-volt mercury batteries (supplied). 4¼x2¼x 1⅜". With all parts, wire, solder, neckcord, and step-by-step instructions. Less optional carrying case, below. Shpg. wt., 1 lb.

83 Y 300-G	**15.88**
83 Y 069-G. Leather Carrying Case. For above. 4 oz.	**2.95**

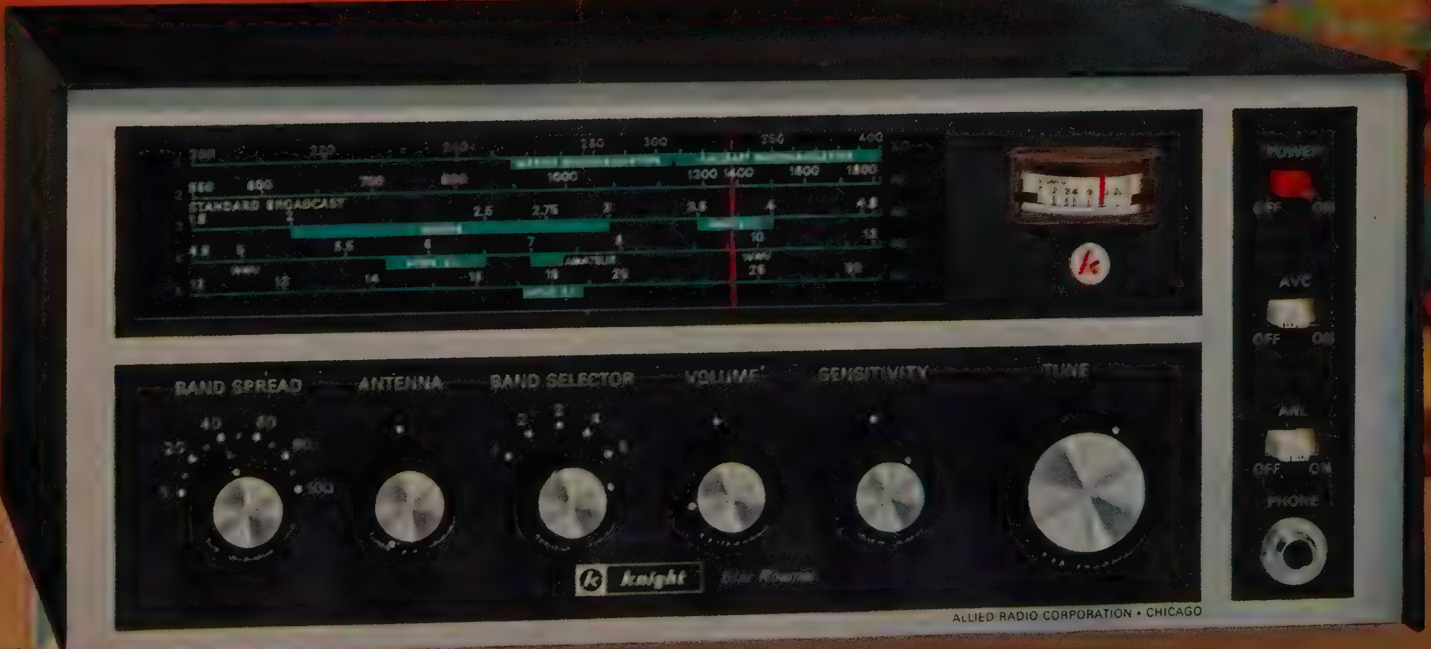
SPECIFICATIONS

Sensitivity: Low Range, 0.014 to 28 footcandles; High Range, 28 to 28,000 footcandles.
ASA Film Speed Settings: 6 to 12,000 (1° to 12°).
f/Stop Settings: 0.5 to 64.
Shutter Speed Settings: 1/4000 Sec. to 30 Minutes.
Cine Settings: 4 to 128 Frames per Second.
EV Settings: −12 to +22.
Acceptance Angle: Approx. 50°.
Color Response: Peaked at 5600 A.
Photocell: Cadmium Sulphide.

knight-kit
SHORTWAVE KITS

Build the Star Roamer® . . .

AND MAKE WAY FOR EXCITEMENT! TUNE IN ON HISTORY AS IT IS MADE—FROM WHERE IT IS BEING MADE


STANDARD BROADCAST
BAND SPREAD
ANTENNA
BAND SELECTOR
VOLUME
SENSITIVITY
TUNE
POWER
OFF ON
AVC
OFF ON
ANL
OFF ON
PHONE
knight
ALLIED RADIO CORPORATION • CHICAGO

5 BANDSWITCHED TUNING RANGES!

Longwave Band	200 to 400 kc
Standard Broadcast Band	550 to 1800 kc
3 Shortwave Bands	1.8 to 4.8 mc, 4.8 to 12 mc, 12 to 30 mc

$39.95
$5 monthly

Deluxe Superhet Shortwave Favorite

STAR ROAMER® 5-BAND SHORTWAVE RECEIVER KIT

With Cabinet
$39.95
$5 monthly

- Covers 200-400 kc and 550 kc-30 mc in 5 Bandswitched Ranges
- Superheterodyne Circuit; Controlled Regenerative IF Stage
- Electrical Bandspread Control for Razor-Sharp Tuning
- Built-In 4" Speaker; Antenna Trimmer; AVC, ANL Circuitry
- Illuminated "S" Meter; Illuminated 7½" Slide Rule Dial

Tune in the world! Hear history-making events as they happen from where they happen—on the sensational Star Roamer 5-Band Shortwave Receiver Kit. Exceptionally low priced, this flexible and versatile receiver covers 200 to 400 kc and 550 kc to 30 mc inclusive in 5 bandswitched ranges. At fingertip command you have: marine and aeronautical bands, with calls from ships at sea, planes aloft, beacons, navigational data, and up-to-the-minute aviation weathercasts. Standard broadcast band brings you news, music, sports events and other favorite programs. International shortwave bands give you the many voices of the world, on-the-spot news, music, drama from the earth's far corners, plus Hams, Citizens Banders, press stations, and much, much more!

Illuminated S meter shows signal strength and correct tuning for best reception. Electrical bandspread control separates crowded stations and aids tuning. IF Sensitivity control improves selectivity and develops beat note for code reception. AVC reduces fading and blasting; ANL for noise reduction. 4" built-in speaker gives plenty of volume. Has front-panel jack for headphone use. Antenna trimmer effectively peaks incoming signals.

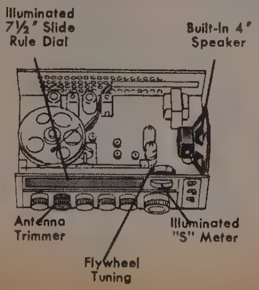
7½" slide rule dial. Size, 5½x12¼x8". Charcoal gray and aluminum. With all parts, cabinet, instructions. For 110-130 v., 60 cycle AC. Shpg. wt., 15 lbs.

83 YX 102-G. *$5 Monthly* **39.95**

83 Y 099-G. Antenna Kit. Outdoor or attic. Wire, lead-in, insulators. 1½ lbs. .... **.98¢**

83 Y 257-G. Dual Headset and Phone Plug. 1 lb. **2.50**

CHECK THESE FEATURES!



Listen In on the World!

Incredible adventures travel across the air waves, and with a quality shortwave receiver you can bring them right into your home. Thrill to many fascinating sounds from ships at sea, planes aloft, police, radio Amateurs. At fingertip command, you have London . . . Moscow . . . Paris . . . Berlin . . . Tokyo . . . hear on-the-spot news broadcast in English from major capitals and trouble-spots by over 200 foreign stations. And, there's nothing as good as hearing the real thing for students of foreign languages. Listen to exotic music from far-away countries, or with a twist of a knob, hear drama from the world's culture centers. Get started in shortwave listening now—it's great family entertainment!

8-Pc. Outfit
$49.95
$5 monthly

Save $6.43 on Deluxe Star Roamer Shortwave Kit Outfit

Now's the time to take part in fun-packed, highly educational shortwave listening—with this great kit outfit at big $6.43 savings! Here's what you get: Knight-Kit Star Roamer 5-Band Shortwave Receiver Kit; 12" Replogle 10-Color World Globe in Stereo Relief with 32-Page Booklet "The Story of the Globe"; Two 7" (33⅓ rpm) Records "The Story of Mr. World" Narrated by Lowell Thomas, Jr. plus 24-Page Illustrated Brochure; Antenna Kit for Outdoor or Attic Mounting with 50 Feet of Wire, 25 Ft. Lead-In and Insulators; Dual Headset with Cord and Plug. Shpg. wt., 23½ lbs.

85 YU 012-4G. *$5 Monthly* **49.95**

3-Pc. Outfit
$42.95
$5 monthly

Budget-Priced Star Roamer Shortwave Kit Outfit

An exciting do-it-yourself outfit with valuable accessories for ultimate ease in operating this terrific SWL kit station! The Star Roamer brings you superb longwave and shortwave, plus favorite AM programs on the standard broadcast band. Sensitive superhet receiver tunes 5 bands—200 to 400 kc, 550 to 1800 kc, 1.8 to 4.8 mc, 4.8 to 12 mc, and 12 to 30 mc. Outfit includes: Knight-Kit Star Roamer 5-Band Shortwave Receiver Kit; Antenna Kit for Outdoor or Attic Mounting with 50 Ft. of Wire, 25 Ft. Lead-In and Insulators; Comfortable Dual Headset with Cord and Phone Plug for Private Listening. Shpg. wt., 17½ lbs.

85 YX 011-3G. *$5 Monthly* **42.95**

knight-kit SHORTWAVE KITS

Listen to All This and More . . .
Planes
World News
Sports
Ships

Includes Wood Cabinet

"Ocean Hopper" 6-Band Shortwave Receiver Kit

With Cabinet
$\$16^{95}$

- Covers 165 kc Through 35 mc in 6 Bands
- Uses Plug-In Coils for Complete Coverage of Longwave, Standard Broadcast, 4 Shortwave Bands
- Has Antenna Trimmer, Regeneration and Bandspread

Hours and hours of listening pleasure are packed into this top performer! One of the most popular kits ever offered, this economical set covers standard broadcast plus both longwave and shortwave. Efficient regenerative circuit, with handy plug-in coils, tunes from 165 kc through 35 mc. Listen to marine, navigation, distress, aeronautical, international shortwave, Ham, Citizens Band, other communication services plus favorite AM programs. Has bandspread, antenna tuning, regeneration controls. On strong local stations, operates 3-4 ohm PM speaker (not supplied). Includes cabinet, broadcast band coil, instructions. Less extra coils, antenna, headphones, below. 6¾x10½x5½". For 110-125 v., 50-60 cycle AC-DC. Wt., 7 lbs.

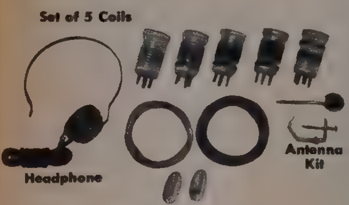
83 Y 749-G **16.95**

83 Y 748-G. Set of 5 Plug-In Coils. Provide overlapping coverage of 165 kc to 35 mc with broadcast band coil in Ocean Hopper. 1 lb. **2.95**

ACCESSORIES FOR SHORTWAVE LISTENING

83 Y 099-G. Antenna Kit. Insulators, wire, lead-in. 1½ lbs. **98c**
83 Y 027-G. Dual Headphones. 2000 ohm. Tip pins. 12 oz. **2.08**
83 Y 028-G. Single Headphone. 1000 ohm. Tip pins. 8 oz. **1.08**

"Ocean Hopper" Package Includes All Accessories!



Complete Package $\$21^{50}$ $5 monthly

Here's everything you need for great shortwave listening in one handy package! Includes: Knight-Kit "Ocean Hopper" 6-Band Shortwave Receiver Kit; Set of 5 Shortwave and Longwave Coils; Single 1000-Ohm Impedance Headphone; and Antenna Kit for Outdoor or Indoor Mounting with Insulators, Wire, and Lead-In. Kit covers 165 kc through 35 mc, including the longwave, standard broadcast and 4 shortwave bands. With detailed instructions. Shpg. wt., 10 lbs.

85 Y 008-4G. *$5 Monthly* **21.50**

Space Spanner® Shortwave Receiver Kit

Includes Handsome Wood Cabinet

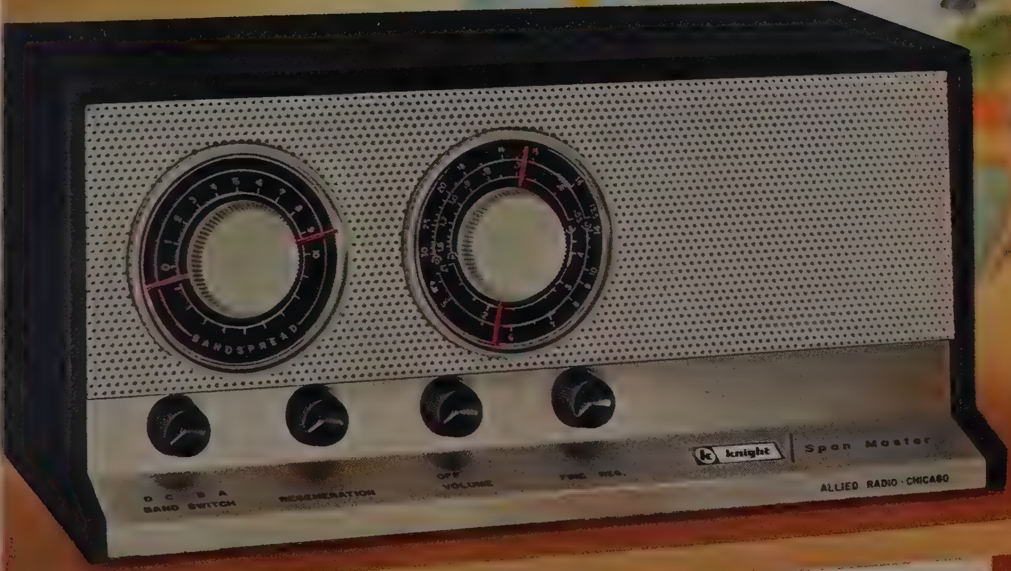
$\$19^{95}$
$5 monthly

- Coverage From 540-1700 kc and 6.5-17 mc
- Beam-Power Amplifier and Built-In 4" Speaker
- Front-Panel Control for Quick Bandswitching
- Electrical Bandspread Separates Crowded Stations

Hear fascinating overseas broadcasts on a receiver you build yourself! Low in cost, the 2-band Space Spanner pushes back the horizon as it reaches out for exciting messages from the farthest corners of the earth. Listen to news, music and drama from world capitals, calls from ships and planes, Hams talking and sending code on the 40 and 20-meter bands—much more—plus favorite programs on the standard AM broadcast band. Selector switch permits quick changing between the 6.5-17 mc shortwave and 540-1700 kc broadcast bands. Electrical bandspread provides easy, accurate tuning and separates crowded stations. Beam-power amplifier and built-in speaker for plenty of volume. Has headphone terminals. Includes cabinet, all parts and detailed instructions. (See optional antenna, headphones, above.) 7⅞x11x5⅝". For 110-125 v., 50-60 cycle AC-DC. Shpg. wt., 7 lbs.

83 Y 209-G. *$5 Monthly* **19.95**

For Reliable Round-the-World Listening Fun Choose the *knight-kit* Span Master®



Headphone
4-Color World Map
Antenna

Span Master and All Accessories in One Package!

Complete Package 27^{95} $5 monthly

A winning combination for top shortwave listening—the Span Master plus most wanted accessories. Here's what you get: **Knight-Kit Span Master 4-Band Shortwave Receiver Kit; Single 1000-Ohm Impedance Headphone; Antenna Kit for Outdoor or Indoor Mounting with Insulators, Wire, and Lead-In; and International Radio Amateur Prefix Map of the World.** Map measures 29x42". Shpg. wt., 11 lbs.

85 Y 009-4G. *$5 Monthly*...... **27.95**

Includes Wood Cabinet

4", Built-In Speaker

Transformer for Isolation & Efficiency

Bandspread Separates Stations

Fine Regeneration for Peak Tuning

Each Coil Has Own Antenna Winding

Span Master 4-Band Shortwave Receiver Kit

- Covers 540 kc Through 30 mc in 4 Bands
- Highly Sensitive Regenerative Circuitry
- Built-In Speaker Plus Headphone Terminals
- 6 Operating Controls; Speaker Cut-Out Switch

With Wood Cabinet 24^{95} $5 monthly

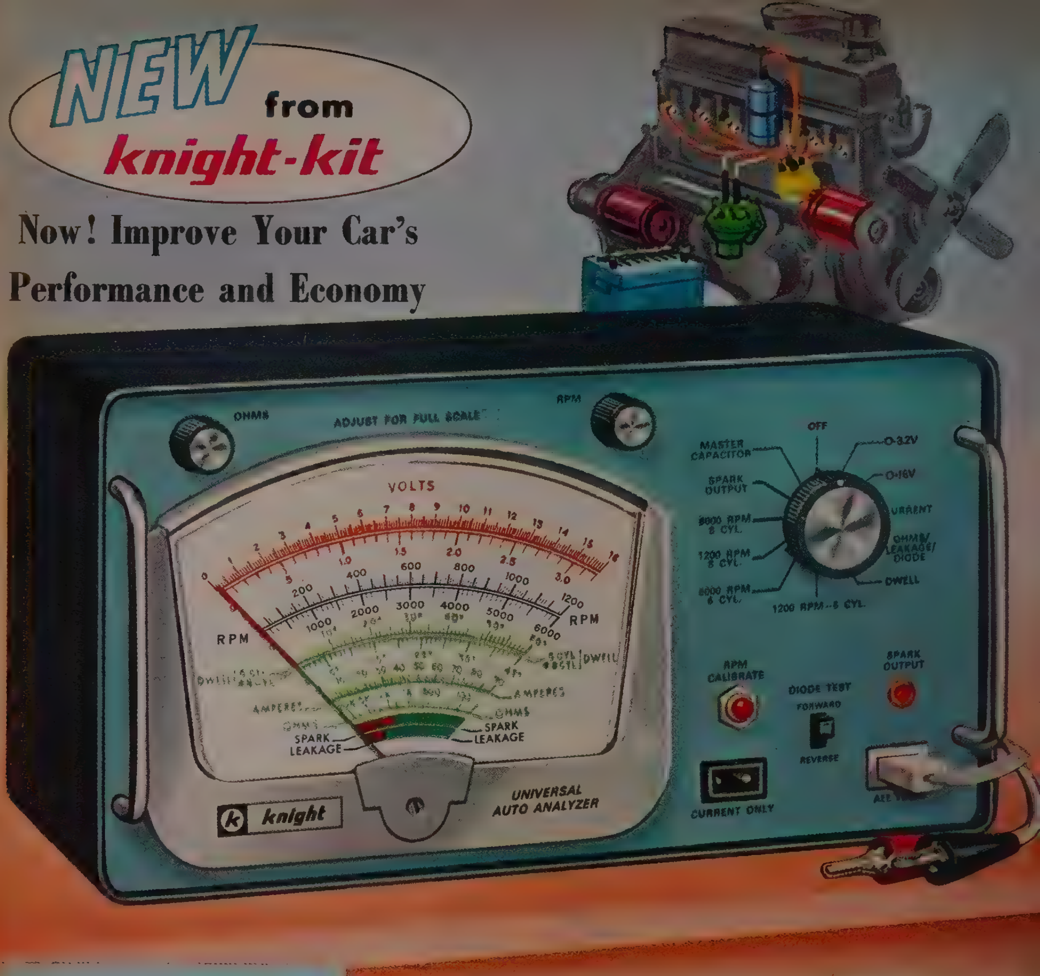
Now's the time to get started in the fascinating hobby of shortwave listening! At this price, how can you afford to wait? With the amazing Span Master you tune headlines from world capitals; listen to messages from ships and aircraft; hear communications on the Citizens Band. What fun listening to Hams on the Amateur bands plus your favorite AM programs on the standard broadcast band. Covers 540 kc to 30 mc in 4 bands. Coils for each tuning range have their own antenna windings for maximum sensitivity. Bandswitch quickly selects band desired—no coils to change. 4" speaker gives plenty of volume—speaker cutout switch for headphones. With list of foreign stations and explanation of Morse Code. 6¼x14x6¾". Gray-blue wood cabinet, white grille and chrome panel. With parts, wire, solder, instructions. Optional antenna, headphone, facing page. For 110-130 v., 60 cycle AC. 9 lbs.

83 Y 258-G. *$5 Monthly*.................................... **24.95**

Buy Knight Kits on Allied's Convenient Credit Fund Plan

NEW from knight-kit

Now! Improve Your Car's Performance and Economy


OHMS
ADJUST FOR FULL SCALE
RPM
VOLTS
RPM
DWELL
AMPERES
OHMS
SPARK LEAKAGE
MASTER CAPACITOR
SPARK OUTPUT
8000 RPM 8 CYL.
1200 RPM 8 CYL.
6000 RPM 6 CYL.
1200 RPM—6 CYL.
OFF
0-3.2V
0-16V
CURRENT
OHMS/LEAKAGE/DIODE
DWELL
RPM CALIBRATE
DIODE TEST
FORWARD
REVERSE
SPARK OUTPUT
CURRENT ONLY
knight
UNIVERSAL AUTO ANALYZER

$49.95 $5 monthly

LOOK WHAT YOU CAN DO:

- Set Engine Idle and Check Plugs
- Detect Variation in Dwell Angle
- Detect Distributor Wear
- Check Voltage and Current Regulators
- Check Generators for Both Current and Voltage Output
- 1000-Ohm Center Scale
- Locate Open or Shorted Condensers
- Detect Condition of Point Surfaces
- Determine Coil Resistance
- Find Poor or Open Ground Circuits
- Check Alternator Diodes
- Check Headlights, Pilot Lamps, Horns, Starter Relays, Fuses, Accessories
- Check Engine Timing, Power Balance
- Substitute Ignition Capacitor
- Check Battery Charge/Discharge Rate

KG-375 Universal Auto Analyzer Kit

- Use For Tune Ups—Checks Generator, Alternator, Regulator, Wiring
- Analyzes Both 6 and 12-Volt Systems; 4, 6 or 8 Cylinder Engines
- Giant-Size 7″ Panoramic-Style Meter; All Solid-State Circuitry
- Includes Comprehensive Tune-Up and Trouble-Shooting Manual

Make tune-ups and trouble-shooting fast and easy with this completely portable, all-in-one auto analyzer. In money-saving Knight-Kit form, it's easy to build and compares to factory wired units costing much more. Self-powered, you can take it in the car and perform actual road tests. Circuit performance is read from a large, 7″ panoramic meter. Scales read: 0-3.2-16 v., 0-90 amps, 0-1200-6000 rpm, 0-45°-60°-90° dwell angle, 0-20,000 ohms, relative spark output and leakage. Has neon spark indicator. Electronic tachometer scales indicate engine speed—help you set idle speed and automatic transmission shift points. Checks ignition condenser by substitution. Other scales measure generator output voltage and current, operation of voltage regulator, faulty distributor points, bad plugs, defective spark coils. You check charge and discharge capacity of batteries; perform forward and reverse test on alternator diodes; and test all electrical accessories. 6½x12½x5½″. Rugged blue metal case, roll-bar handles. For 6 or 12 v. systems, negative or positive ground. With 4 "D" cells, test leads and 90-amp shunt. Shpg. wt., 13 lbs.

83 YX 308-G *$5 Monthly*..**49.95**

Kit Building is Easy with Knight-Kit Instructions

e Sure You're Getting the ost From Your Engine . . . uild this Precision "Tach"

knight-kit

AUTOMOTIVE KITS

0-8000 RPM
ELECTRONIC
TACHOMETER
knight
FUEL
60 70 80 90
11 12 1

or Boats With utboard Engines or agneto Systems

For Positive or Negative-Grounded Automobiles

New Low Price **$19.95** $5 monthly

Was $21.95 in 1964 Catalog 230

LOOK AT THESE OUTSTANDING FEATURES!

- deal for Autos, Sports Cars, Boats
- Registers Engine Speed 0-8000 Rpm
- Matches Transistorized Ignition Systems
- No High-Voltage Ignition Loss
- Helps You Increase Car's Fuel Economy
- Fully Transistorized Precision Circuit
- Exceptional 3% of Full-Scale Accuracy
- Zener Diode Regulation for Stability
- Unaffected by Temp. or Voltage Changes
- Illuminated D'Arsonval Meter Movement
- Glare-Proof Extruded Aluminum Housing
- Has Adjustable "Red-Line" Pointer
- With Universal Mounting Bracket, Strap
- Calibrates from 60-Cycle House Current

Precision Transistorized Electronic Tachometer Kit

Illuminated "Tach" accurately registers engine speed from 0 to 8000 rpm electronically—helps you set engine for top fuel economy—or to develop maximum horsepower. Marvelous accessory for compact, standard, and sports cars, plus boats with outboard engines or magneto systems. Operates with 1-8 cylinder, 2-cycle or 1-16 cylinder, 4-cycle engines using standard ignition coil and distributor from 9 to 32 v., DC; plus new transistorized negative-ground ignition systems. Also operates with magneto and 6 v., DC systems when used with 9-volt battery and accessories, below. Transistorized switching and zener diode regulation provide 3% of full scale accuracy—regardless of temperature or voltage changes. "Red-Line" reference pointer may be preset to any rpm—shows when to shift gears, or when maximum torque or maximum safe engine speed is developed. Calibrates from 60-cycle house current. Size, 4⅞x3¼x3⅞". 2 models: positive or negative ground. (All late model U.S. cars are negative ground.) With universal mounting bracket, strap, instructions. Shpg. wt., 3 lbs.

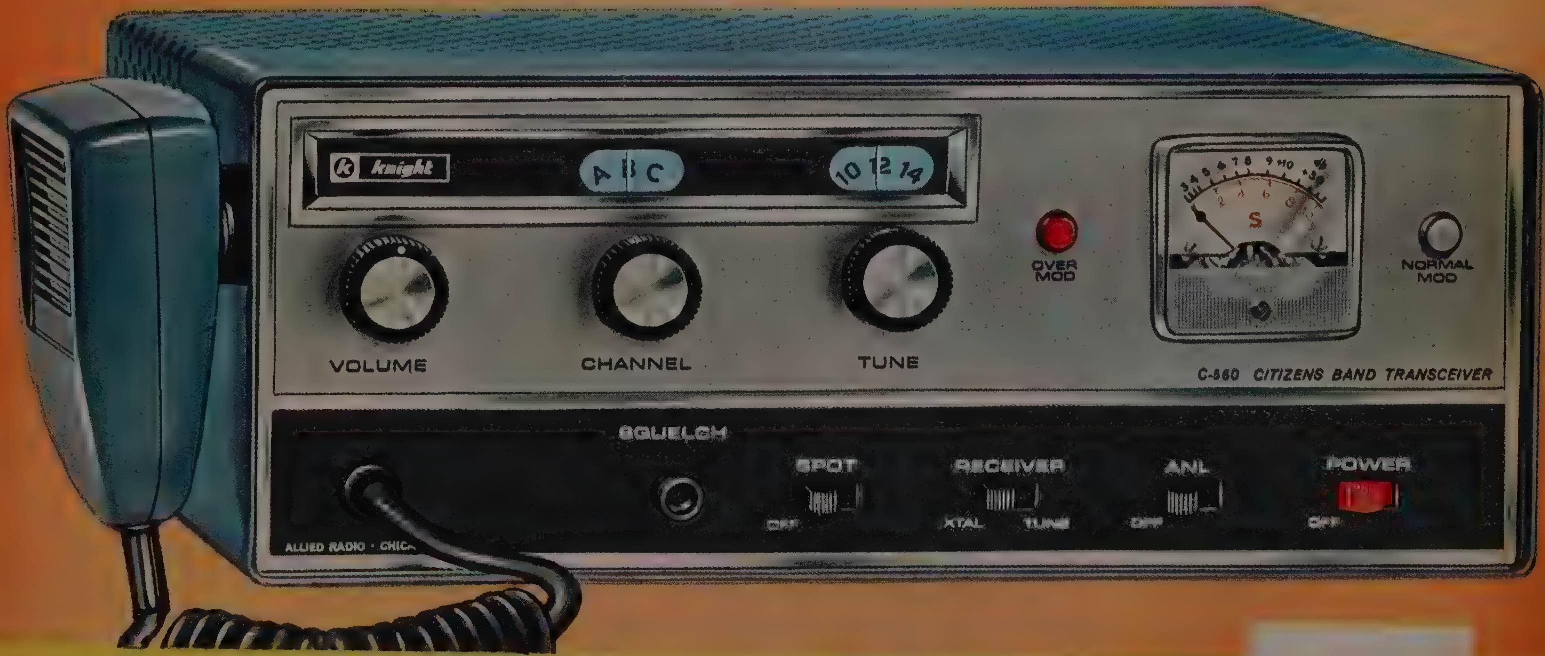
83 Y 944-G. Negative Ground Model. *$5 Monthly*	**19.95**
83 Y 980-G. Positive Ground Model. *$5 Monthly*	**19.95**
83 Y 909-G. 9-Volt Battery and Accessories. Wt., 4 oz.	**98¢**

ll Knight-Kits are Supplied with Solder

NEW from **knight-kit**

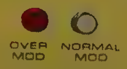
For Best CB Communications

CHOOSE OUR DELUXE MODEL C-560 5-WATT TRANSCEIVER KIT


knight
A B C
10 12 14
VOLUME
CHANNEL
TUNE
OVER MOD
NORMAL MOD
S
C-560 CITIZENS BAND TRANSCEIVER
SQUELCH
SPOT
OFF
RECEIVER
XTAL
TUNE
ANL
OFF
POWER
OFF
ALLIED RADIO · CHICA

Preassembled and Tuned Nuvistor RF Stage for High Sensitivity and Low Noise

Automatic Switched "S" and RF Output Meter


OVER MOD
NORMAL MOD

Normal and Over-Modulation Indicators

Noise-Canceling Ceramic Microphone

Spot Switch Pinpoints Operating Channel

Six-Position Crystal Switch

Continuous Tuning of All 23 Channels

Solid-State Power Converter

Universal Model
110-130 v. AC/12 v. DC
$89.95 Each
$5 monthly

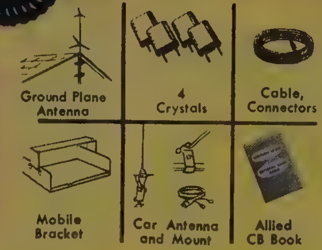
Save $21.30 on 2-Station CB Outfit

C-560 for Universal Base or Mobile Use
C-560 for Base Use

Complete 2-Station Outfit

$199⁹⁵

$10 monthly



C-560 Base-to-Mobile Outfit

Easy-to-assemble outfit priced $21.30 below the cost of components purchased separately. Provides you with 2-way communications between home, office, car or boat at distances of up to 20 miles. Here's what you get: **Two Knight-Kit C-560 Deluxe 5-Watt Citizens Band Transceiver Kits (1 Standard and 1 Universal Model); Choice of Any 2 Transmit and 2 Receive Crystals; Mobile Mounting Bracket; Knight KN-2576 102" Stainless Steel Mobile Whip Antenna with Spring Bumper Mount, Cable, and Gutter Clip; Knight KN-2570 Base Station Ground Plane Antenna; 50-Ft. Foam Coax Cable and Connectors; and Allied's Own "Understanding and Using CB Radio" Book.** *Specify Channel 1-22.* Shpg. wt., 61 lbs. Shipped express.

85 YZ 303-11G. *$10 Monthly*. **199.95**

C-560 5-Watt Citizens Band Transceiver Kit

Universal Model

110-130 v. AC/12 v. DC

$89⁹⁵ Each

$5 monthly

ENGINEERED FOR BUILDING EASE AND FINEST PERFORMANCE

- Superhet Receiver Has Preassembled and Tuned Nuvistor RF Stage for Superb ½ Microvolt Sensitivity
- 6 Crystal-Controlled Transmit/Receive Channels Plus 23-Channel Manual Tuning
- Solid-State Power Supply—Quieter Mobile Operation By Elimination of Vibrator
- Noise-Canceling Push-to-Talk Ceramic Microphone; Built-In Speaker, Spot Switch

UNIVERSAL MODEL. Just out . . . a versatile 5-watt transceiver kit simply jam-packed with important features for the discriminating Citizens Band operator! Designed in the Knight-Kit tradition of craftsmanship and dependability at modest cost, the C-560 offers top-notch performance either as a fixed or mobile station. It's an ideal choice for home, car, boat, truck, plant or office. Recommended for commercial and industrial applications; excellent unit for low-cost marine communications.

The C-560 employs crystal-controlled transmit-receive sections that operate on any 6 switch-selected channels (see crystals, right)—or, at the flick of a switch, receiver may be manually tuned through all 23 channels for maximum flexibility. Superhet receiver boasts nuvistor RF stage for high gain and low noise figures. 2-stage IF, adjustable squelch, AVC, and switchable automatic noise limiter all contribute to finest reception even under adverse conditions. Spotting switch quickly pinpoints your operating channel. 2½-watt audio output.

Efficient transmitter section is fully modulated, has 5-watts input with a link-coupled output for impedance match to any 50-ohm line. Noise-canceling, ceramic mike has push-to-talk switch and coiled cord.

Built-in universal power supply has solid-state DC power converter for quieter mobile operation. Deluxe features: normal and over-modulation indicators for speech clarity; 2-scale illuminated meter reads "S" units and relative RF output—automatically switched; illuminated tuning dial and channel switch.

Size, 4¾x11½x10½". With all parts, wire, solder, press-to-talk ceramic mike, and easy-to-follow instructions. Less crystals, below. Fused power supply for 110-130 v., 60 cycle AC and 12 v., DC. 19 lbs.

83 YX 835-G. *$5 Monthly*. **89.95**

STANDARD MODEL. Similar to above, except for 110-130 v., 60 cycle AC use only. Wt., 18 lbs.

83 YX 836-G. *$5 Monthly*. **82.45**

83 Y 010-G. Mobile Mounting Bracket. 5 lbs. **4.95**

83 YY 046-G. Transmitting Crystals. C-560 takes 6. *Specify Channel 1-22.* Wt., 3 oz. **Each 2.50**

83 YY 045-G. Receiving Crystals. C-560 takes 6. *Specify Channel 1-22.* Wt., 3 oz. **Each 2.50**

83 Y 042-G. Civil Air Patrol Receiving Crystal. 26.620 megacycles. Shpg. wt., 3 oz. **2.50**

83 Y 043-G. Civil Air Patrol Transmitting Crystal. 26.620 megacycles. Shpg. wt., 3 oz. **2.50**

C-560 TRANSCEIVER SPECIFICATIONS

RECEIVER SECTION

Sensitivity: ½ microvolt for 10 db signal-to-noise ratio.
Selectivity: 6 db down at 6.5 kc.
Adjacent Channel Rejection: 50 db.
IF: 2-stage 1650 kc.
Audio Output: 2.5 watts into built-in 3" speaker.

TRANSMITTER SECTION

RF Output Power: 3 watts.
Modulation: amplitude modulated plate and screen.
Output Impedance: link-coupled; matches 50-ohm lines.
Termination: SO-239 coax connector.
TVI Suppression: 54-mc tunable harmonic trap.

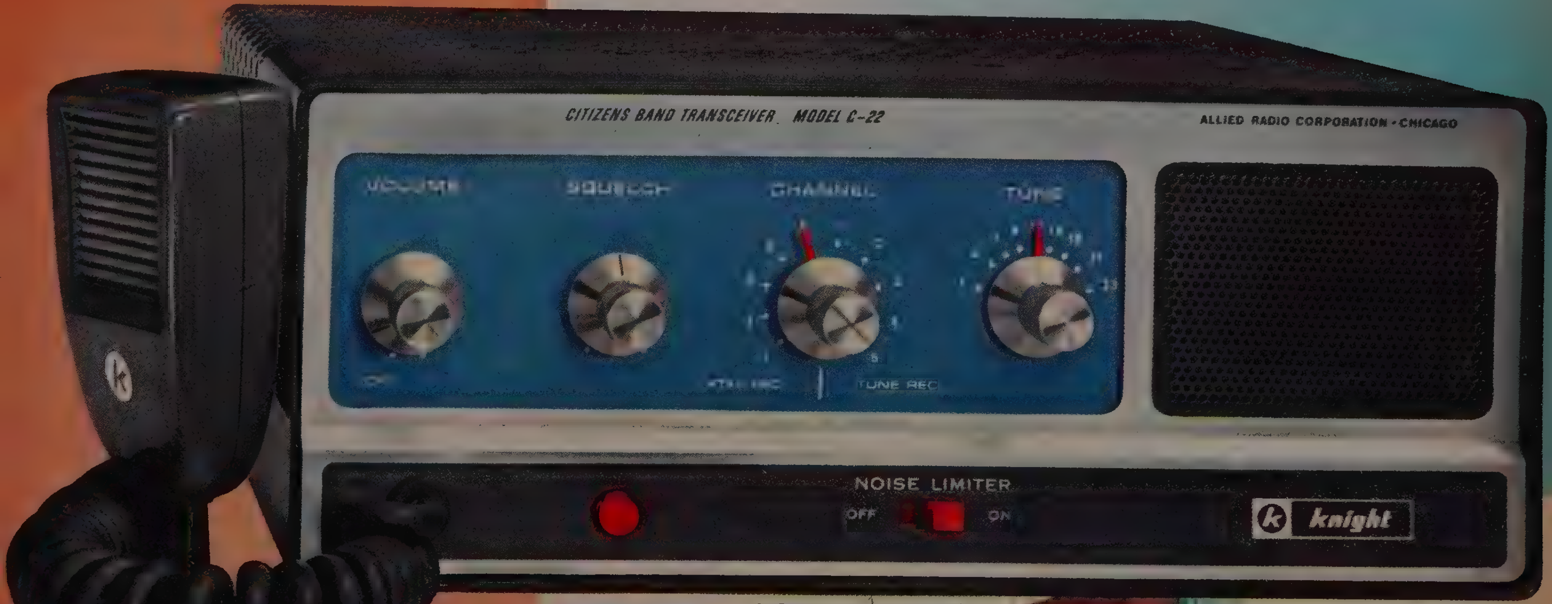
OVERALL

Controls: Power; Squelch; Receiver-Tune/Xtal; Spot-On/Off; Volume; Channel Selector; Receiver Tuning; ANL-On/Off; Press-to-Talk Switch on Microphone.
Tube Complement: 1—6CX8; 1—6KE8; 1—6BC7; 1—6AN8; 1—12AQ5; 2—12BA6; 2—6CW4; 4—Diodes; 2—Transistors.
Power Requirements: 110-130 v., 60 cycle AC, 80 watts or 12.6 v., DC at 7 amps.

knight-kit
CITIZENS BAND RADIO

Build a C-22 CB Transceiver!

GET DEPENDABLE, LOW-COST 2-WAY COMMUNICATIONS
. . . KEEP IN CONSTANT TOUCH WHEREVER YOU GO . . .


CITIZENS BAND TRANSCEIVER MODEL C-22
ALLIED RADIO CORPORATION • CHICAGO
VOLUME
SQUELCH
CHANNEL
TUNE
XTAL REC
TUNE REC
NOISE LIMITER
OFF
ON
knight

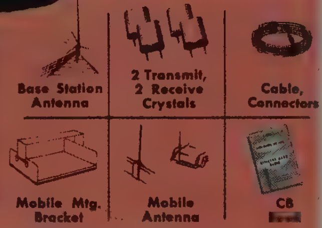
In Autos . . .
In Boats . . .
In Homes . . .

Universal Model
110-130 v. AC/12 v. DC
$69.95 Each
$5 monthly

Save $14.62 on C-22 Two-Station Base-to-Mobile Citizens Band Kit Outfit

Standard C-22
Universal C-22

Complete Outfit
$169.95
$9 monthly



A pace-setting Citizens Band outfit in fun-to-build kit form. And, you save $14.62 off the cost of items purchased individually. Provides you with dependable 2-way communications between home, office, car or boat at distances of up to 20 miles over ideal terrain. Here's what you get: **2 Knight-Kit C-22 Citizens Band Transceiver Kits (1 Universal and 1 Standard Model); Mobile Mounting Bracket; Your Choice of 2 Transmit and 2 Receive Crystals; Hy-Gain Model BPRW 108″ Mobile Whip Antenna with Bumper Mount; Knight KN-2570 Ground Plane Antenna for Base Station; 70 Feet of Low-Loss RG-58/U Foam Coax Cable; All Necessary Connectors; and Allied's Own Book "Understanding and Using Citizens Band Radio.** *Specify Channel 1-22.* Shpg. wt., 55 lbs. Shipped express.
85 YZ 300-14G. *$9 Monthly*............**169.95**

Superb 2-Way Communications—Fixed and Mobile

Universal Model

110-130 v. AC/12 v. DC

$69.95 Each

Knight-Kit Model C-22 5-Watt Citizens Band Transceiver Kit

- Five Crystal-Controlled Transmit and Five Crystal-Controlled Receive Channels
- Sensitive Superheterodyne Receiver Section Manually Tunes All 23 Channels Too
- Efficient, Full 5-Watt Transmitter—Range Up to 20 Miles Over Ideal Terrain
- Has Adjustable Squelch Control; Automatic Noise Limiter; Pi-Network Output
- Universal Power Supply—110-130 v. AC Fixed Use; 12 Volts DC Mobile Operation

UNIVERSAL C-22 TRANSCEIVER KIT. Jam-packed with all-important features and designed in the Knight-Kit tradition of craftsmanship and dependability, the C-22 provides top-notch performance both as a fixed and mobile station. Compact size, easy accessibility of controls and crystals, handy press-to-talk operation, and self-contained power supply for 110-130 volts AC/12 volts DC—all combine to make it a superb transceiver for any Citizens Band application—business or personal.

Unit employs crystal-controlled transmit-receive sections that operate on any 5 switch-selected channels (see crystals, at right)—or, at the flick of a switch, receiver may be manually tuned through all 23 channels. Transmitter runs fully modulated 5-watts input, with front-panel RF indicator and adjustable pi-network output circuit to match any Citizens Band antenna. Superheterodyne receiver with 2 IF stages offers excellent sensitivity, selectivity and image rejection figures. Sensitivity, 1 microvolt for 10 db signal-to-noise ratio. Selectivity, 6 db down at 6.5 kc. Adjacent channel rejection, highly important in big city interference, is 25 db.

Other built-in highlights include: variable squelch control; switchable series-gate noise limiter; smooth-tuning planetary drive mechanism; edge-lit panel to illuminate essential controls; 2½-watt audio section and 3″ speaker for loud, clear reception. A 54-mc harmonic trap reduces interference to television sets. Circuit uses 6 tubes and 5 diodes for top efficiency. Compact case is 4⁹⁄₁₆x10¹³⁄₁₆x 10½″. Supplied with all parts, pre-cut wire, solder, press-to-talk ceramic microphone with coil cord, FCC license application, and easy-to-follow instructions. Less crystals, below. Fused power supply is for 110-130 v., 60 cycle AC or 12 v., DC operation. Shpg. wt., 19 lbs.
83 YX 802-G. *$5 Monthly*....................**69.95**

STANDARD C-22 TRANSCEIVER KIT. Same specifications as above, except power supply is for 110-130 v., 60 cycle AC base station operation only. 18 lbs.
83 YX 801-G. *$5 Monthly*....................**64.95**

C-22 Transceiver Accessories

83 Y 009-G. Mobile Mounting Bracket. Wt., 4 lbs......**4.95**
83 YY 046-G. Transmitting Crystals. *Specify Channel 1-22.* (C-22 accommodates 5) Wt., 3 oz...........**Each 2.50**
83 YY 045-G. Receiving Crystals. *Specify Channel 1-22.* (C-22 accommodates 5.) Wt., 3 oz..........**Each 2.50**
83 Y 042-G. Civil Air Patrol Receiving Crystal. 26.620 megacycles. Shpg. wt., 3 oz....................**Each 2.50**
83 Y 043-G. Civil Air Patrol Transmitting Crystal. 26.620 megacycles. Shpg. wt., 3 oz................**Each 2.50**

C-22 TRANSCEIVER SPECIFICATIONS

RECEIVER SECTION

Sensitivity: 1 microvolt for 10 db signal-to-noise ratio.
Selectivity: 6 db down at 6.5 kc.
Adjacent Channel Rejection: 25 db.
Audio Output: 2.5 watts.
Speaker: 3″ built-in PM type.
IF: 2-stage at 1650 kc.

TRANSMITTER SECTION

RF Output Power: 3 watts.
Modulation: amplitude modulation, plate and screen, automatically limited to less than 100%.
Output: adjustable pi-network for any CB antenna.
TVI Suppression: 54-mc. tunable trap.

GENERAL

Controls: On-Off/Volume; Adjustable Squelch; Crystal-Tune/Channel Selector; Receiver Tuning; Noise Limiter Off/On; Press-to-Talk Mike.
Tube Complement: 1 each—6CX8, 6EA8, 12AX7, 12AQ5; 2—6HR6; 3 silicon diodes; 2 silicon rectifiers.

Power Requirements: 110-130 v., 60 cycle AC, 50 watts; 12.6 v., DC, 3.8 amps.

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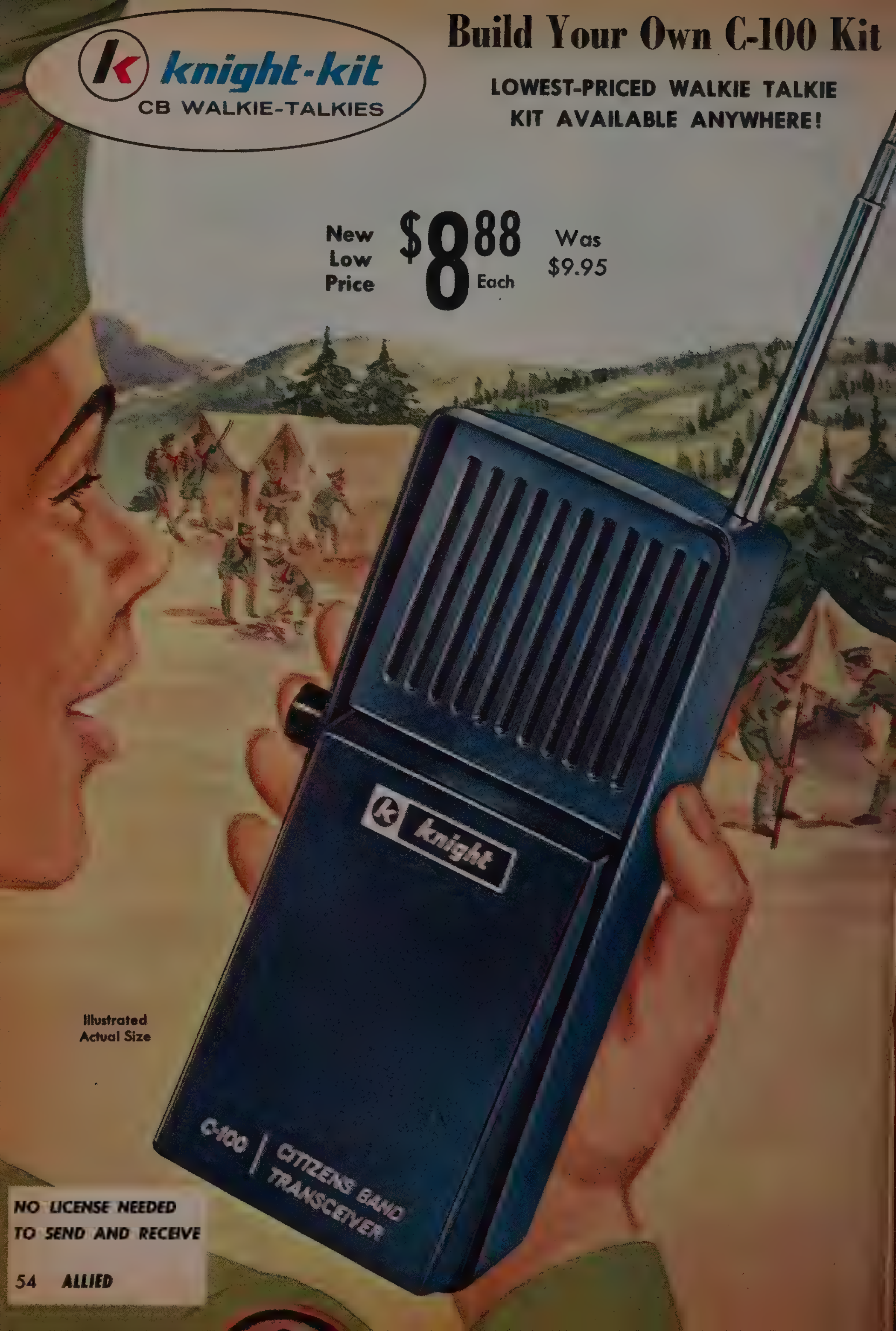
CB WALKIE-TALKIES

Build Your Own C-100 Kit

LOWEST-PRICED WALKIE TALKIE KIT AVAILABLE ANYWHERE!

New Low Price $8.88 Each Was $9.95


knight
C-100
CITIZENS BAND TRANSCEIVER

Illustrated Actual Size

NO LICENSE NEEDED TO SEND AND RECEIVE

Send and Receive—Up to a ¼-Mile Range

IDEAL FOR CAMPING, FISHING, HUNTING, BOATING, HIKING, PICNICS!

C-100 All-Transistor Citizens Band Walkie-Talkie Kit

- No License or Examination Required; No Age Limit; Anyone Can Use It
- Simple to Assemble; Loads of Fun to Use; Operates for Hours on a Single Battery
- Compact and Neatly Styled; Weighs Just 14 Ounces; Goes Anywhere You Go

Looking for great fun on a small investment? Take advantage of our sensational new low price and build the thrilling C-100. Assembly is easy—even if you've never put a kit together before. In just a few fun-filled hours you have this 3-transistor beauty ready for on-the-go communications. Ask a friend or family member to get a C-100, too—you'll have a regular 2-way radio system—send and receive messages up to ¼-mile between units. Great for camping, fishing, hunting, boating, hiking, picnics, outings—countless practical uses. Mom and Dad will find many applications for a pair around the house, as well. Anyone can use them—no age restrictions, exams, fees, or license requirements. Push-to-talk operation; 2″ speaker/microphone; crystal-controlled transmitter on Channel 7 of the Citizens Band; 40″ telescoping antenna; super-regenerative receiver. High-impact blue case is 5⅜x2⅞x1¾″. With wire, solder, Channel 7 crystal, instructions and detailed diagrams. Less battery and optional carrying case, below. Shpg. wt., 14 oz.

83 Y 804-G. . . . . **Each 8.88**

83 Y 005-G. 9-Volt Battery. One required for each C-100. Wt., 4 oz. . . . . **27¢**

SAVE EVEN MORE! . . . . **3 Batteries for 79¢**

83 Y 013-G. Handsome Carrying Case and Hand Strap. Wt., 4 oz. . . . . **98¢**

House-to-House, or House-to-Garage . . .

Great for Outings, Meetings, Picnics . . .

Use for Hunting, Outdoor Activities . . .

101 Uses—Indoors and Outdoors

Lowest Cost C-100 Outfit!

$17.88

Big Value C-100 Outfit!

$19.75

$5 monthly

Top C-100 Outfit!

$21.88

$5 monthly

C-100 Complete 2-Way Walkie-Talkie Kit Outfits

A Economy C-100 Outfit

Lowest-cost complete outfit gives reliable on-the-go communications at distances up to ¼ mile between units. Ideal for camping, fishing, boating, hunting, hiking, picnics, scout meetings—countless practical uses. Build the C-100's in just a few fun-filled hours, and you're ready for instant operation. There's no license requirement or age limit, either. Outfit includes: **Two Knight-Kit C-100 All-Transistor Walkie-Talkie Kits; and Two 9-Volt Batteries.** C-100's have complete assembly instructions including easy-to-follow diagrams. 2¼ lbs.

85 Y 004-4G. **17.88**

B Deluxe C-100 Outfit

Great value and great fun in a low-cost outfit that gives you 2-way communication at up to ¼-mile range between units. Talk to nearby neighbors, from house-to-garage—let your own imagination discover new applications! Units assemble quickly and easily . . . just put them together and you're "on-the-air." And, there's no license requirement or age restriction—everybody can use the C-100. Outfit includes: **Two Knight-Kit C-100 All-Transistor Walkie-Talkie Kits; Two Accessory Carrying Cases with Hand Straps; Two 9-Volt Batteries.** 2¾ lbs.

85 Y 006-6G. *$5 Monthly.* **19.75**

C Our Best C-100 Outfit

The perfect outfit for the new kit builder. Specially selected—includes everything needed to assemble and operate these walkie-talkies . . . and you'll have the tools on hand for future electronic projects. C-100 kits are loads of fun to put together—you'll have exciting 2-way conversations in just a few hours. Here's what you get: **Two Knight-Kit C-100 All-Transistor Walkie-Talkie Kits; Two Accessory Carrying Cases with Hand Straps; Two Long-Lasting 9-Volt Batteries; Ungar 27-Watt Soldering Iron; ⅛x4″ Screwdriver; Miller Cutter/Stripper.** 3¾ lbs.

85 Y 007-9G. *$5 Monthly.* **21.88**

knight-kit

CB WALKIE-TALKIES

Build Your Own C-555 5-Transistor Superhet Walkie-Talkie Kit

TOPS FOR DEPENDABLE COMMUNICATION

NEW LOW PRICE

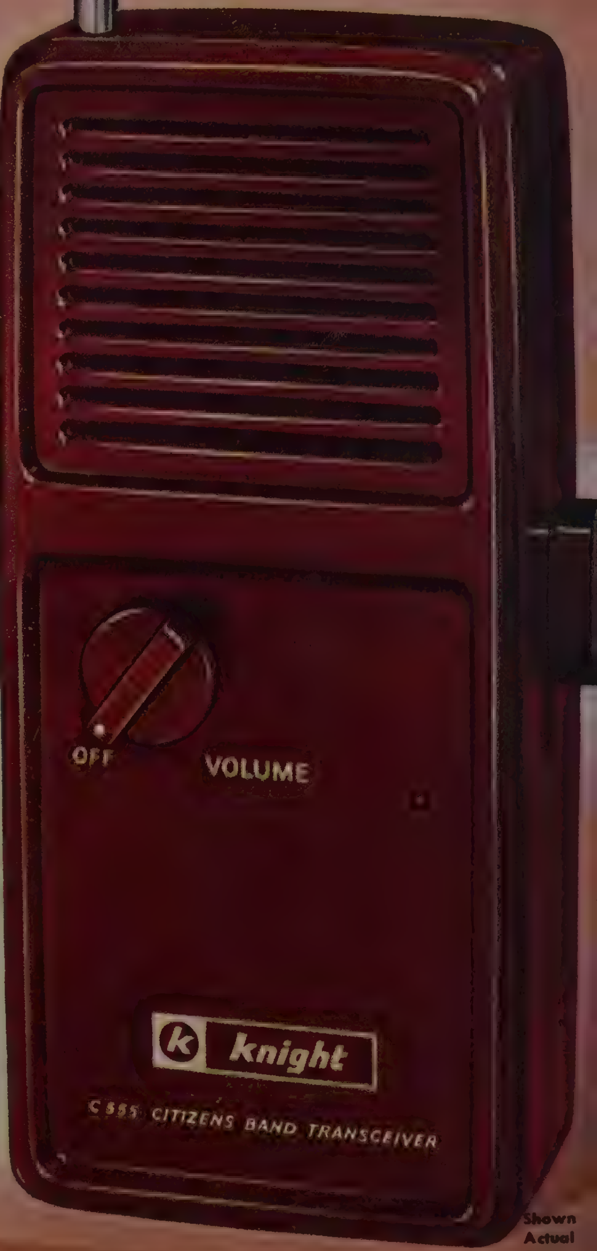
Only $17^{88} Each

Was $19.95

For Boat-to-Boat and Boat-to-Dock Use . . .

Great for Camping and Many Other Outdoor Uses . . .

Handy Around the House, Too . . .

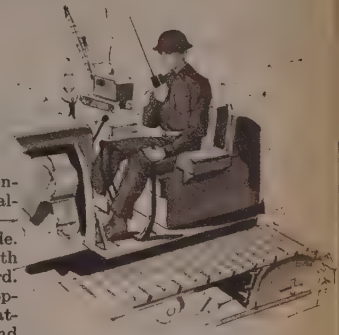

OFF
VOLUME
knight
C 555 CITIZENS BAND TRANSCEIVER

Shown Actual Size

Sends and Receives Up to ¾ of a Mile!

C-555 5-Transistor Superhet Walkie-Talkie Kit

- Receiver and Transmitter Sections Crystal-Controlled for Optimum Performance
- Superheterodyne Receiver for Greater Operating Range and Top Selectivity
- No License, Exam, Fee, Permit, or Age Limit Requirements—Everyone Can Use It
- IF Transformers Pre-Aligned and Mounted on Printed Circuit Board
- Assembles Quickly; Easy-to-Follow Instructions; Many Uses Indoors and Outdoors



Our famous superhet walkie-talkie kit is priced exceptionally low yet it employs a sen-itive, crystal-controlled superhet receiver for increased range and selectivity. Crystal-ontrolled 100-milliwatt input to transmitter provides up to a ¾-mile operating range—o license or permit required. Modern space-age circuitry uses 5 transistors and 1 diode. A silicon transistor is used as the oscillator for highest stability. Unit is supplied with re-wired and aligned IF transformers mounted on a rugged printed circuit board. Other features: press-to-talk operation; 2″ built-in speaker/microphone; 40″ telescop-ng whip antenna; receiver volume control; output jack for earphone; economical bat-ery operation. Coral red case is 7x3⅛x2″. Complete with all parts, wire, solder and etailed instructions. Less battery, crystals, optional carrying case and earphone, be-ow. Shpg. wt., 1½ lbs.

3 Y 822-G . . . . **Each 17.88**

3 YY 034-G. Transmitting Crystal. *Specify Channel 2-22.* Shpg. wt., 2 oz. **1.95**

3 YY 041-G. Receiving Crystal. *Specify Channel 2-22.* Shpg. wt., 2 oz. **1.95**

3 Y 039-G. Civil Air Patrol Transmitting Crystal. 26.620 mc. Shpg. wt., 2 oz **1.95**

3 Y 038-G. Civil Air Patrol Receiving Crystal. 26.620 mc. Shpg. wt., 2 oz **1.95**

3 Y 014-G. 9-Volt Battery for C-555. Requires one per unit. Shpg. wt., 2 oz **35c**

ave Even More! . . . . **Three 9-Volt Batteries for 69c**

3 Y 092-G. Optional Carrying Case and Strap. Shpg. wt., 5½ oz **1.98**

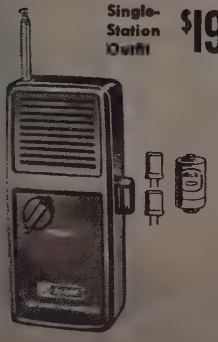
3 Y 094-G. Optional Earphone with Cord and Plug. For private listening. 2 oz. **79c**

Ideally Suited for Many Industrial Uses . . . Construction . . . Maintenance . . . Security Work . . . Warehousing . . . Inventories . . . Meets FCC Regulations for Unlicensed 100-Milliwatt Units.

Complete CB Communications Outfits Featuring C-555

Single-Station Outfit

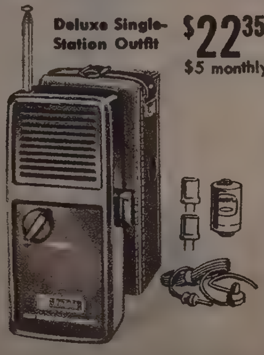
$19.88



Deluxe Single-Station Outfit

$22.35

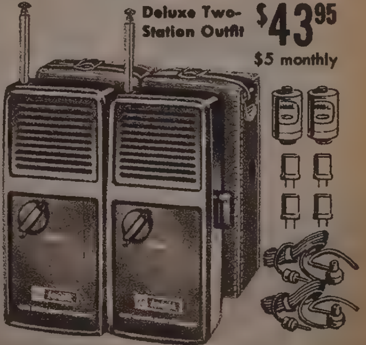
$5 monthly



Deluxe Two-Station Outfit

$43.95

$5 monthly



Single-Station Outfit

reat value in a walkie-talkie outfit at comes in easy-to-build kit form. just a few fun-packed hours, you'll ve this 5-transistor beauty assem-ed and ready for reliable commun-ting. Outfit includes: **One Knight-Kit 555 5-Transistor Superhet Walkie-lkie Kit; One 9-Volt Battery; One Trans-it and One Receive Crystal.** No license, am, fee, permit, or age limit restric-ons. Everyone can use the famous 555! *Specify Choice of Channel 2-22.* pg. wt., 2 lbs.

Y 018-4G **19.88**

Deluxe Single-Station Outfit

Our best single-station walkie-talkie outfit includes most-often asked-for accessories! Here's what you get: **One Knight-Kit C-555 5-Transistor Superhet Walkie-Talkie Kit; One 9-Volt Battery; One Handsome Carrying Case with Strap; One Earphone with Cord and Plug for Private Listening; One Transmit and One Receive Crystal.** The C-555 includes easy-to-follow, step-by-step instructions. Goes together in a few fun-packed hours. *Specify Choice of Channel 2-22.* Shpg. wt., 2½ lbs.

85 Y 001-6G. *$5 Monthly* **22.35**

Deluxe Two-Station Outfit

Save $5.85. Everything needed for "on-the-go" two-way communications at distances up to ¾ mile. Great for camping, hunting, picnics, work, or just keeping in touch with home. Includes: **Two Knight-Kit C-555 5-Transistor Superhet Walkie-Talkie Kits; Two 9-Volt Batteries; Two Handsome Carrying Cases with Straps; Two Earphones with Cords and Plugs for Private Listening; Two Transmit and Two Receive Crystals.** *Specify Choice of Channel 2-22.* Shpg. wt., 4½ lbs.

85 Y 003-12G. *$5 Monthly* **43.95**

Build Our Best

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CB WALKIE-TALKIES

Satisfied KG-4000A Owners Everywhere Report It's Tops in

- **VALUE . . .**
- **PERFORMANCE . . .**
- **RANGE . . .**
- **BUILDING EASE**

New Low Price $54.95 $5 monthly

Was $59.95 in 1964 Catalog 230

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SQUELCH
VOLUME
MIN
MAX
MAX
KG-4000A TRANSCEIVER
LOCAL
DISTANCE

COMPLETE OUTFIT

$74.95 Save $5.64

$5 monthly

INCLUDES $19.95 Value Rechargeable Battery Kit and All Needed Accessories!

1-Watt Single-Station Portable CB Outfit

Budget-priced Knight-Kit exclusive—your own portable communications set in one easy-to-build package! Our outfit price saves you $5.64 off the cost of items purchased separately. Outfit includes: One Knight-Kit KG-4000A 1-Watt Walkie-Talkie Citizens Band Transceiver Kit; Your Choice of One Transmitting and One Receiving Crystal; One Combination Rechargeable Battery/Charger/AC Power Supply Kit; Earphone, and One Adapter Cable for 12-Volt Car Use. 1-watt input provides up to a 5-mile working range. Sensitive superhet receiver has 1 μv sensitivity, variable squelch, noise limiter, push-pull output. Local-Distance switch prevents overload distortion. 5½ lbs.

85 Y 301-6G. *$5 Monthly.* Specify Channel 1-22. . . . **74.95**
85 Y 304-6G. Above, but factory assembled **94.95**

Use Your Credit Fund for CB Purchases

G-4000A 1-Watt All-Transistor Walkie-Talkie Kit

KEEP IN TOUCH ON THE CITIZENS BAND—UP TO 5 MILES RANGE OVER IDEAL TERRAIN

ew Low Price

$54⁹⁵

$5 monthly

- Advanced Receiver Circuitry Utilizes Ceramic Filter
- Both Transmit and Receive Sections Are Crystal Controlled
- Superheterodyne Receiver Has RF Stage, Two IF Stages
- Has RF Output Indicator; Push-Pull Audio Output
- 52″ Telescoping Whip Antenna; Press-to-Talk Button

ight-Kit smashes the cost barrier with a tremendous new low price on this rformance-proven, professional-quality walkie-talkie kit! Crystal controlled, npact, and offering true portability, it's the perfect choice for reliable, on-move 2-way communications. Offers full 1-watt input for up to a 5-mile rking range over ideal terrain. Dependable superhet receiver has greater isitivity and longer operating range than most other walkie-talkies. Superior ectivity stems in part from use of ceramic filter. Circuitry also boasts: auto-tic noise limiter; variable squelch; RF-output indicator; external antenna k; external speaker/headphone jack; Local-Distance switch to prevent over-d. Size, 10⅜x3⅝x4½″. With FCC license application, tan styrene case, rying strap, wire, solder, easy-to-follow instructions. Less batteries (8 re-red) and crystals (1 transmit, 1 receive). Shpg. wt., 3½ lbs.

Y 808-G. *$5 Monthly* **54.95**

Y 500-G. As above but factory assembled. *New Low Price* **69.95**

Y 012-G. 1½-Volt Size "C" Batteries. 8 required. Wt., 2 oz .... **Each 13¢**

Y 011-G. Rechargeable Battery and Charger Kit. Heavy-duty nickel-cadmium replaces 8 "C" batteries. For 110-130 v., 60 cycle AC. 1 lb. **19.95**

Y 551-G Above, factory assembled **24.95**

Y 047-G. 12-Volt DC Adapter/Charger Cable. Fits handily into car cigarette ter. Permits mobile use. With cable. Shpg. wt., 4 oz. **1.00**

Y 094-G. Earphone, Cable and Plug. For private listening. 3 oz. .... **79¢**

YY 041-G. Receiving Crystal. *Specify Channel 1-22*. 3 oz. **1.95**

YY 034-G. Transmitting Crystal. *Specify Channel 1-22*. 3 oz. **1.95**

KG-4000A SPECIFICATIONS

RECEIVER SECTION: Circuit: crystal-controlled superhet with RF stage. **Sensitivity:** better than 1 μv for 10 db signal-to-noise ratio. **Adjacent Channel Rejection:** 30 db. **Audio Output:** 750 mw class B push-pull. Provision for external speaker or earphone. **TRANSMITTER SECTION. Type of Circuit:** crystal-controlled. **Final Input:** 1 watt. **Output:** 0.5 watt. **GENERAL. Controls** On/Off/Volume; Squelch; Distance-Local; Press-to-Talk Button. **Power Supply:** 8 size "C" 1½-volt cells; or optional rechargeable nickel-cadmium cell; provision for external 12 volt DC source. **Antenna:** 52″ whip; provision for external antenna.

Perfect for Low-cost Boat-to-Shore Communications, As Well As Other Marine Uses . . .

A "Must" for the Camper, Hunter, Fisherman; Many Outdoor Uses . . .

Ideal for Inventory Work, Warehousing, Security, Industrial Uses . . .

Builders and Contractors Save Time and Money in Both Indoor and Outdoor Projects . . .

WIDE VARIETY OF USES!

Complete KG-4000A 2-Way Walkie-Talkie Kit Outfit

BIG SAVINGS ON A DELUXE PACKAGE

at buy in a complete 2-way Citizens Band communica-s outfit that gives you first-rate performance! And, our fit price saves $10.03 off the cost of individually pur-sed components. KG-4000A's are portable, compact very easy to use. Hunters, campers, fishermen—can p in touch. Commercial applications include inventory k, warehousing, construction, plant protection, forestry rice, rescue, civil defense, Civil Air Patrol (see special stal listing, below).

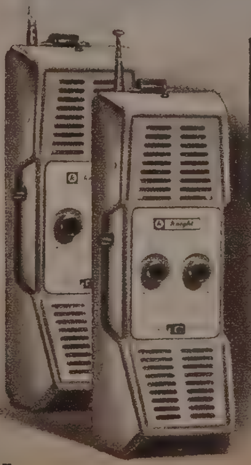
fit includes: Two Knight-Kit KG-4000A 1-Watt Walkie-ie Citizens Band Transceiver Kits; Sixteen 1½-Volt Size Batteries; Two Transmitting and Two Receiving Crystals in ice of Operating Channel 1-22. 9½ lbs.

302-22G. *$6 Monthly*. Specify Channel. **109.75**

305-22G. As above but assembled KG-4000A's. **139.50**

038-G. Civil Air Patrol Receive Crystal. 26.620 mc. g. wt. 3 oz **1.95**

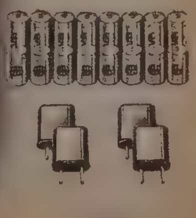
039-G. Civil Air Patrol Transmit Crystal. 26.620 mc. wt. 3 oz. **1.95**



Save $10.03

$109⁷⁵

$6 monthly



ight-Kits Are Your Finest Value in CB Gear

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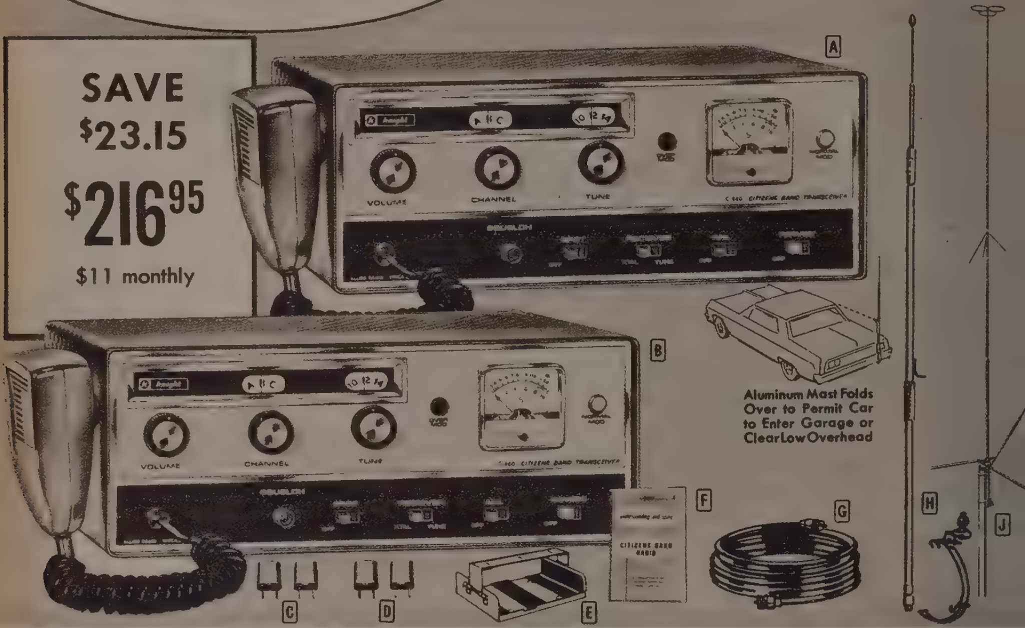
CITIZENS BAND RADIO

Build Your Own Quality C-560 5-Watt CB Outfit

SAVE $23.15

$216.95

$11 monthly



Aluminum Mast Folds Over to Permit Car to Enter Garage or Clear Low Overhead

Complete C-560 Base-to-Mobile Transceiver Outfit

Easy to Use. Tops For Keeping In Touch

Easily Installed In Any Type of Vehicle

- Ⓐ Knight-Kit Standard C-560 Transceiver Kit for 110-130 VAC Base Station Us
- Ⓑ Knight-Kit Universal C-560 Transceiver Kit for 110-130 VAC/12 VDC Use
- Ⓒ Two Transmitting Crystals—Your Choice of Channel 1-22
- Ⓓ Two Receiving Crystals—Your Choice of Channel 1-22
- Ⓔ Mobile Mounting Bracket for Under-Dash C-560 Installation
- Ⓕ Allied's Own "Understanding and Using Citizens Band Radio" Book
- Ⓖ 70-Ft. RG-58/U Foam Coax Cable Plus All Required Connectors
- Ⓗ Knight Mobile Antenna with Foldover Mast, CB Resonator and Bumper Moun
- Ⓙ Knight KN-2572 17-Ft. Maximum-Range Base Station Antenna, 108″ Radial

C-560 kits have fully modulated 5-watt input, with link-coupled output. Pre assembled and tuned nuvistor RF stage. Operate on any 6 switch-selecte channels, plus manual tune of all 23 channels. KN-2572 base antenna offers u to 6 db gain; up to 20 db signal-to-noise ratio improvement. Mounts on 1¼ t 1⅝″ mast (not supplied) with double-grip mast bracket. Knight mobile antenna has 54″ aluminum mast, 11-meter CB resonator and strap-type bumpe mount. Mast folds over 27″ from base. Wt., 61 lbs. Shipped express.

85 YZ 313-14G. *$11 Monthly. Specify Channel 1-22* **216.9**

C-560 Base Station Outfit

Save $10.65 **$106.75** $6 monthly

- Ⓐ Standard (110-130 VAC) C-560 Transceiver Kit
- Ⓒ One Transmitting Crystal—Choice of Channel 1-22
- Ⓓ One Receiving Crystal—Choice of Channel 1-22
- Ⓕ Allied's "Understanding and Using CB Radio" Book
- Ⓖ 50-Ft. RG-58/U Foam Coax Cable and Connectors
- Ⓙ Knight KN-2572 17-Ft. Base Station Antenna, 108″ Radials

Antenna requires mast from 1¼″ to 1⅝″ diameter. Shpg. wt., 32 lbs. Shipped express.

85 YZ 307-6G. *$6 Monthly. Specify Channel 1-22* .. **106.75**

C-560 Mobile Station Outfit

Save $11.70 **$111.50** $6 monthly

- Ⓑ Universal (110-130 VAC/12 VDC) C-560 Transceiver Kit
- Ⓒ One Transmitting Crystal—Choice of Channel 1-22
- Ⓓ One Receiving Crystal—Choice of Channel 1-22
- Ⓔ Mobile Mounting Bracket for C-560
- Ⓕ Allied's "Understanding and Using CB Radio" Book
- Ⓖ 20-Ft. RG-58/U Foam Coax Cable and Connectors
- Ⓗ Knight Foldover Mast, CB Resonator and Bumper Mount

Shpg. wt., 29 lbs. Shipped express.

85 YX 311-9G. *$6 Monthly. Specify Channel 1-22* . **111.50**

Money-Saving C-560 Transceiver Kit Outfits

Save $8.45

$97.95

$5 monthly

C-560 Economy Base Station Outfit

- Standard (110-130 VAC) C-560 Transceiver Kit
- 50-Ft. RG-58/U Foam Coax Cable and Connectors
- Allied's "Understanding and Using CB Radio" Book
- One Transmit and One Receive Crystal—Choice of Channel
- Knight KN-2570 Base Station Ground Plane Antenna

udget-priced Knight-Kit exclusive—your own base sta- on communications setup in one easy-to-build package. -560 has fully modulated 5 watt input, link-coupled out- ut. Knight ground plane antenna has 9-ft. seamless alumi- um radiator, 9-ft. solid aluminum radials. Clover-leaf phat ensures lowest possible noise figures. Requires 1¼″ 1⅝″ mast. 30 lbs. Express.

5 YZ 309-6G. *$5 Monthly. Specify Channel 1-22*... **97.95**

Save $10.40

$104.95

$6 monthly

C-560 Economy Mobile Station Outfit

- [F] Universal (110-130 VAC/12 VDC) C-560 Transceiver Kit
- [G] Mobile Mounting Bracket for C-560
- [H] Allied's "Understanding and Using CB Radio" Book
- [J] One Transmit and One Receive Crystal—Choice of Channel
- [K] Knight KN-2576 102″ Stainless Steel Mobile Whip Antenna with Spring Bumper Mount, Cable, and Gutter Clip

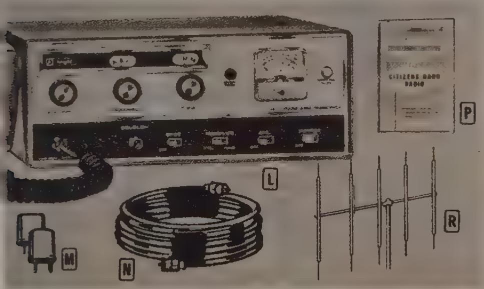
Highly efficient C-560 mobile station outfit gives top results in any location. Preassembled and tuned nuvistor RF stage for best signal in noisy or difficult reception areas. Whip antenna made of finest taper-ground stainless steel. Rugged base, ball and spring made to withstand severe conditions. 31 lbs. Express.

85 YZ 308-6G. *$6 Monthly. Specify Channel 1-22*.. **104.95**

Save $21.30 on C-560 Combination Base-to-Mobile Outfit

Includes all components in Base and Mobile outfits pictured and described above. 61 lbs. Express.

85 YZ 303-11G. *$10 Monthly. Specify Channel 1-22*.. **199.95**



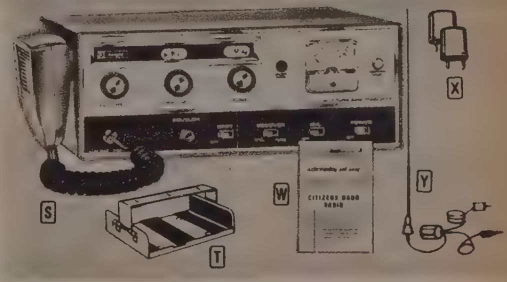
C-560 Maximum-Range Base Station Outfit

Save $13.45 **$119.95** **$6 monthly**

- Standard (110-130 VAC) C-560 Transceiver Kit
- One Transmit and One Receive Crystal—Choice of Channel
- 50-Ft. RG-58/U Foam Coax Cable and Connectors
- Allied's "Understanding and Using CB Radio" Book
- Knight KN-2574 5-Element CB Beam Antenna

st assemble the C-560 and you're ready to enjoy top mmunications in any fixed location. Knight beam has .3 db forward gain; 25 db FB ratio. 18′, 8¾″ element ngth; 24′ boom. Requires 1½″ diameter mast. Gamma atching. Wt., 39 lbs. Shipped express.

YZ 312-6G. *$6 Monthly. Specify Channel 1-22*.. **119.95**



C-560 Mobile Station Outfit with CB/AM Whip

Save $9.85 **$102.50** **$6 monthly**

- [S] Universal (110-130 VAC/12 VDC) C-560 Transceiver Kit
- [T] Mobile Mounting Bracket for C-560
- [W] Allied's "Understanding and Using CB Radio" Book
- [X] One Transmit and One Receive Crystal—Choice of Channel
- [Y] Knight KN-2575 CB/AM Radio Whip Antenna, Cables

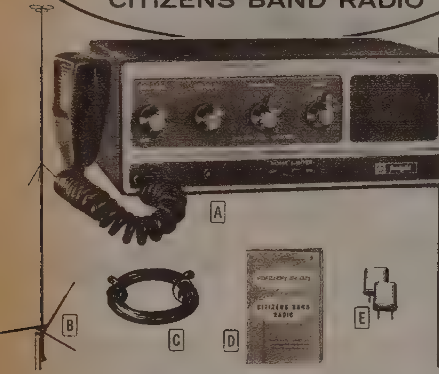
Offers reliable, on-the-go communications with other mobiles, or with base stations. Knight whip receives CB and AM broadcast band. Has coupler to isolate CB circuit from car radio. Automatically switches between bands. 50″ top-loaded telescoping whip. 25 lbs. Express.

85 YZ 310-6G. *$6 Monthly. Specify Channel 1-22*.. **102.50**

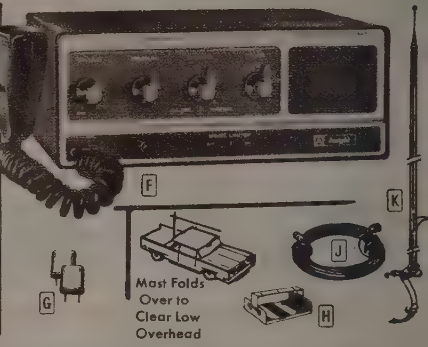
ee Pages 50 & 51 for Complete Description of C-560

knight-kit
CITIZENS BAND RADIO

Build Your Own Quality C-22 5-Watt CB Outfits



Save $18.03
Complete Base-Mobile Outfit
$186.95
$10 monthly



Build Your Own Deluxe C-22 Base-to-Mobile Citizens Band Outfit

- [A] Knight-Kit Standard (110-130 VAC) C-22 Transceiver Kit
- [B] Knight KN-2572 17-Ft. Maximum-Range Base Station Antenna
- [C] 50 Feet of RG-58/U Foam Coax Cable and Connectors
- [D] Allied's "Understanding and Using CB Radio" Book
- [E] One Transmit and One Receive Crystal—Choice of Channel

- [F] Knight-Kit Universal (110-130 VAC/12VDC) C-22 Kit
- [G] One Transmit and One Receive Crystal—Choice of Channel
- [H] Mobile Mounting Bracket for C-22
- [J] 20 Feet of RG-58/U Foam Coax Cable and Connectors
- [K] Knight Foldover Mast, CB Resonator and Bumper Mount

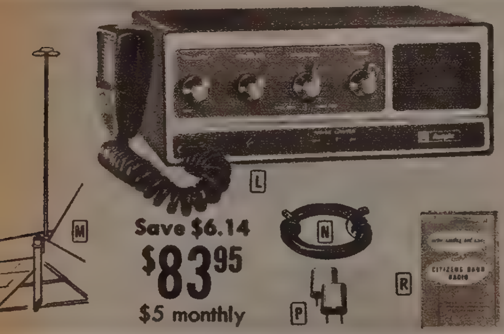
Top-performing outfit for reliable 2-way communications. C-22's have provision for 5 crystal-controlled transmit/receive channels; manual tune. 65 lbs. Express.
85 YZ 318-16G. *$10 Monthly. Specify Channel 1-22.* **186.95**

Deluxe C-22 Base Station Outfit

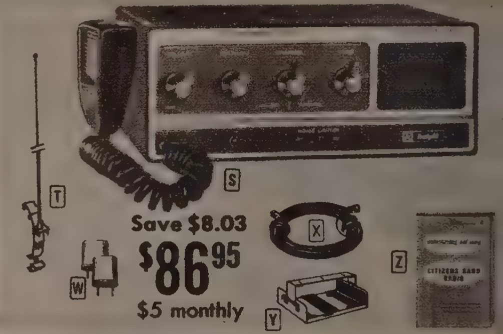
Save $7.59. Includes [A], [B], [C], [D], and [E] shown and described above. 31 lbs. Shipped express.
85 YZ 316-7G. *$5 Monthly. Specify Channel 1-22..* **93.50**

Deluxe C-22 Mobile Station Outfit

Save $9.44. Includes [F], [G], [H], [J], and [K] shown and described above. 32 lbs. Shipped express.
85 YZ 317-10G. *$5 Monthly. Specify Channel 1-22..* **94.95**



Save $6.14
$83.95
$5 monthly



Save $8.03
$86.95
$5 monthly

Economy C-22 Base Station Outfit

- [L] Knight-Kit Standard (110-130 VAC) C-22 Transceiver Kit
- [M] Knight KN-2570 Base Station Ground Plane Antenna
- [N] 50 Feet of RG-58/U Foam Coax Cable and Connectors
- [P] One Transmit and One Receive Crystal—Choice of Channel
- [R] Allied's "Understanding and Using CB Radio" Book

C-22 has full 5-watt input. Knight ground plane antenna has 9-ft. seamless aluminum radiator; 9-ft. solid radials. Requires 1¼-1⅝" mast. 30 lbs. Express.
85 YZ 314-7G. *$5 Monthly. Specify Channel 1-22...* **83.95**

Economy C-22 Mobile Station Outfit

- [S] Knight-Kit Universal (110-130 VAC/12VDC) C-22 Kit
- [T] Hy-Gain BPRW 108" Whip Antenna with Bumper Mount
- [W] One Transmit and One Receive Crystal—Choice of Channel
- [X] 20 Feet of RG-58/U Foam Coax Cable and Connectors
- [Y] Mobile Mounting Bracket for C-22
- [Z] Allied's "Understanding and Using CB Radio" Book

Efficient C-22 outfit. Mobile whip antenna is stainless steel—resists weathering. 31 lbs. Express.
85 YZ 315-8G. *$5 Monthly. Specify Channel 1-22...* **86.95**

Save $14.62 on C-22 Combination Base-to-Mobile Outfit

Includes all components in Base and Mobile Outfits pictured and described above. 61 lbs. Express.
85 YZ 300-14G. *$9 Monthly. Specify Channel 1-22...* **169.95**

See Pages 52 & 53 for Full Specifications of C-22 Transceiver

Top-Quality CB Accessories for *knight-kits*

MASTERCRAFTERS 10-36 CLOCK/TIMER. 8". Timer operates every 10 minutes—lets you know when to give call signal. Brushed chrome with black numerals, chrome ring trim. 2 lbs.
86 S 668-G. Includes F.E.T. **13.95**

ALLIED'S "UNDERSTANDING AND USING CB RADIO" BOOK. A "must" for newcomers to CB as well as oldtimers. Helps everyone make the best use of CB equipment. 112 pages. 5¼x8¼". Wt., 6 oz.
37 K 701-G . . . . **50¢**

Mastercrafters 10-36 Clock/Timer

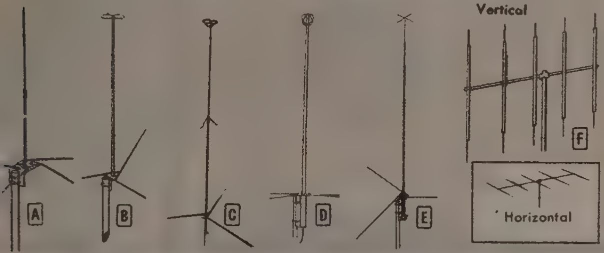
Allied's Own CB Book

CITIZENS BAND OPERATING RANGES

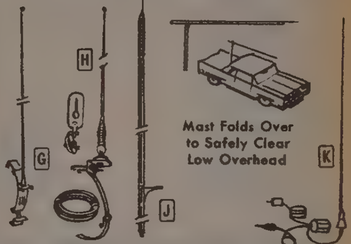
Effective ranges vary with antenna type, height above ground, and terrain to be worked over. Ranges given are average to be expected with 5-watt (maximum legal) input. *Base (home) station.

USES	RANGES
Car to Base*	Up to 12 Miles
Base to Base*	Up to 20 Miles
Car to Car	Up to 7 Miles
Boat to Boat	Up to 20 Miles
Boat to Shore	Up to 20 Miles

Top Values in Base Station Antennas



Quality Mobile Antennas


H
G
J
Mast Folds Over to Safely Clear Low Overhead
K

[A] **90 CU 396-G.** Hy-Gain GP-500. Omnidirectional ground plane. Unity gain. 9' radiator and radials. For masts 1" to 1⅝" diameter. 8 lbs. **14.95**

[B] **86 CZ 700-G.** Knight KN-2570. Omnidirectional ground plane. Cloverleaf top-hat. 9' aluminum radiator and radials. Beta match. 1.5:1 VSWR. 5 db. circuit gain. 4 lbs. Express **12.95**

[C] **86 CZ 702-G.** Knight KN-2572. Maximum gain. 17' aluminum radiator, top-hat, center skirt, three 108" radials. Solid-state matching coupler. 1.2:1 or less VSWR. Up to 6 db gain. For masts 1¼ to 1⅝" diameter. With formed, solid aluminum brackets and fittings. 7½ lbs. Express **23.95**

[D] **86 CZ 496-G.** Antenna Specialists M-117 Super Magnum. 207" radiator, 4 solid-aluminum 108" radials. Orbital top. 3.75 omnidirectional gain, 6 db circuit gain. 1.17:1 VSWR. For up to 1½" masts. 12 lbs. Express **29.95**

[E] **86 SX 422-G.** Hy-Gain CLR-II. Omnidirectional vertical ground plane. ¾ wavelength. 19'11" radiator, 9' radials, all aluminum. 3.4 db gain, 8 db circuit gain. 1.2:1 VSWR. For 1¼ to 1¾" masts. 15 lbs. **29.95**

[F] **90 CU 398-G.** Knight KN-2574. 5 element beam. 18' 8¾" elements, 24' boom. Aluminum 12.3 db forward gain. 25 db F/B. Gamma match. For 1½" mast. 18 lbs. Express **39.95**

[G] **83 YZ 201-G.** Hy-Gain BPRW. 108" stainless steel whip, bumper mt. 5 lbs. Express. **10.44**

[H] **86 CZ 704-G.** Knight KN-2576. 102" stainless steel whip, bumper mount and die-cast ball, spring, gutter clip, and 20' of RG-58/U Coax with PL-259 plug. 8 lbs. Express **14.95**

[J] **23 SU 781-2G.** Knight Foldover. 54" aluminum mast, ½" dia., folds for clearance. Bumper mount and 11-meter resonator. 1 lb. **11.95**
23 SU 780-2G. Above, for Body Mount **11.95**
86 SX 583-G. Bumper Mast Only. 1 lb. **7.95**
86 SX 569-G. Body Mast Only. 1 lb. **7.95**
86 SX 570-G. Resonator Only. 1 lb. **5.95**

[K] **86 CZ 703-G.** Knight KN-2575. 50" telescoping whip for CB and AM broadcast. Top loaded; chrome plated; solid-state coupler—no switching. Cables. 1-hole body mount. 3 lbs. Express **11.95**

Helpful Citizens Band Radio Books

L
M
N
P
CB RADIO ANTENNA Guidebook

[L] **ABC's OF CB RADIO.** (Sams.) Obtaining license; selecting equipment; operation and use; tuning; antennas; FCC rules, etc. 96 pages. 5½x8½". 8 oz.
37 K 714-G **1.95**

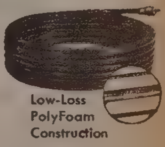
[M] **CB RADIO SERVICING GUIDE.** By Leo G. Sands. (Sams.) Design and operation of transmitters, receivers, power supplies. Tuning, testing and troubleshooting procedures. 160 pages. 5½x8½". 8 oz.
37 K 715-G **2.95**

[N] **CB RADIO.** By Allan Lytel. (Rider.) Equipment types; installation; maintenance; servicing. Includes portable units, kits, power supplies, antennas. FCC rules. 160 pages. 5½x8½". 8 oz.
37 K 340-G **3.82**

[P] **CB ANTENNA GUIDEBOOK.** By David E. Hicks. (Sams.) Base and mobile. Installation, service, ranges, improvements. 128 pages. 5½x8½". 8 oz.
37 K 666-G **2.50**

Foam Polyethylene Coax Cables with Connectors

89 S 519-G. 50-Ft. RG-8/U 50-Ohm Foam Coax PL-259 plug on each end. Wt., 11 lbs. **8.50**
89 S 522-G. 100-Ft RG-8/U 50-Ohm Foam Coax. PL-259 plug on each end. Wt., 7 lbs. **13.95**
89 S 530-G. 20-Ft. RG-58/U 53.5-Ohm Foam Coax. PL-259 one end; split lugs other. 1 lb. **2.95**
86 S 883-G. 50-Ft. RG-58/U 53.5-Ohm Foam Coax. PL-259 plug on each end. Wt., 2 lbs. **5.50**
86 S 884-G. 100-Ft. RG-58/U 53.5-Ohm Foam Coax. PL-259 plug on each end. Wt., 4 lbs. **8.95**



Low-Loss PolyFoam Construction

Selected Mounting Accessories

[R] **86 S 611-G.** Gutter Clip. Plastic holder swivels on cadmium-plated clamp. Prevents whip rattle. Shpg. wt., 8 oz. . . . . **79¢**

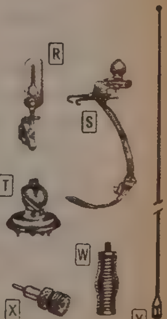
[S] **86 S 606-G.** Bumper Mount. Stainless steel strap. 2 bolts and clamp. 1 lb. **5.95**

[T] **86 S 607-G.** Body Mount. Stainless steel. For rugged use. Shpg. wt., 3 lbs. **7.95**

[W] **86 S 608-G.** Stainless Steel Spring. Rustproof. For normal use. Wt., 2 lbs. **2.79**
86 S 609-G. Extra-Heavy Duty Type. 3 lbs. **8.95**

[X] **83 Y 216-G.** PL-259-to-Motorola Plug Adapter. Shpg. wt., 6 oz. **1.19**

[Y] **86 CZ 610-G.** 102" Whip Antenna. Stainless steel. ⅜"-24 stud. 2 lbs. Express **3.59**



See Pages 314 to 319 for Complete CB Accessories Listings

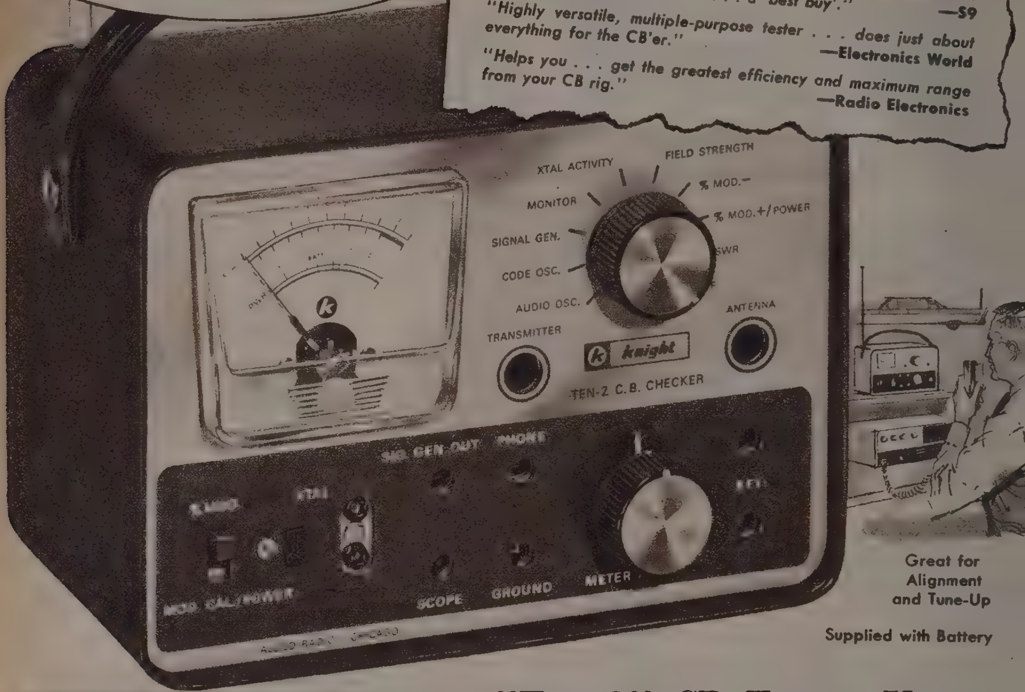
knight-kit
CB EQUIPMENT

"TEN-2" EARNS THESE RAVE NOTICES!

"Reasonably priced . . . contains the most needed functions . . . easy to use . . . No guesswork, no cross-patching, no consulting manual: a clearly labeled function switch sets up the instrument for all tests . . . without question . . . a 'best buy'." **—S9**

"Highly versatile, multiple-purpose tester . . . does just about everything for the CB'er." **—Electronics World**

"Helps you . . . get the greatest efficiency and maximum range from your CB rig." **—Radio Electronics**



Great for
Alignment
and Tune-Up

Supplied with Battery

"Ten-2" CB Tester Kit

BOOST RANGE AND GET TOP PERFORMANCE

Kit Form $\$25^{95}$ **$5 monthly**

PORTABLE AND TRANSISTORIZED

PERFORM 10 FUNCTIONS

- Measure Relative SWR
- Measure RF Output Power
- Measure Percentage of Positive Modulation
- Measure Percentage of Negative Modulation
- Measure Field Strength
- Measure Relative Crystal Activity
- Use as Signal Monitor
- Use as Audio Generator
- Use as Crystal-Controlled RF Generator
- Use as Code Oscillator

Boost your CB operating range and overall transceiver performance! Build and use the sensational "Ten-2" 10-function Citizens Band tester. Both portable and transistorized, it lets you quickly and easily evaluate and improve performance in either fixed or mobile installations. CB operators, technicians and servicemen everywhere are finding the "Ten-2" invaluable for fast, accurate trouble-shooting both in the shop and in the field.

Ten precision instruments in one, the "Ten-2" measures, with 10% accuracy, relative standing-wave-ratio of antenna arrays and transmission lines, per cent of either positive or negative modulation, RF power output (built-in dummy load), relative field strength, and relative crystal activity. May also be used as a signal monitor, crystal-controlled RF generator, audio generator, and code-practice oscillator.

Easy-to-read 2″ meter has four scales and a sensitive movement. Front panel sockets accept any standard or miniature CB transmitting crystal. Front panel jacks are for key, headphone output, oscilloscope output, RF generator output—as well as Motorola-type sockets for CB antenna and transceiver inputs. Has built-in 40″ telescoping antenna. Battery powered, low-drain 2-transistor amplifier/oscillator circuit. Battery condition can be read on meter. 5⅜x7⅝x4¼″. Charcoal gray case, brushed aluminum panel. Black and satin knobs. With all parts, wire and solder, battery, two PL-259 to Motorola-type plug adapters, easy-to-follow step-by-step assembly instructions. Shpg. wt., 4 lbs.

83 Y 823-G. In Kit Form. *$5 Monthly*. **25.95**

83 Y 561-G. Above, factory assembled. *$5 Monthly*. **39.95**

knight-kit
AMATEUR GEAR

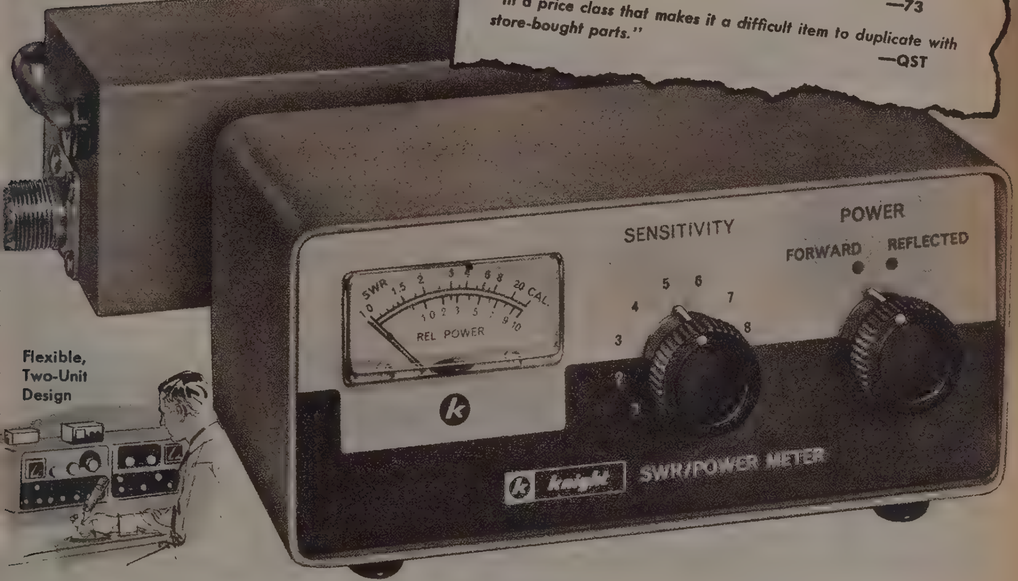
P-2 EARNS FINE MAGAZINE REVIEWS!

"Assembly of the unit is very clearly shown in the detailed assembly manual . . . no real problems were encountered . . . worked perfectly . . . no adjustments were required . . . Relative power scale is quite convenient for transmitter tuning."

—73

"In a price class that makes it a difficult item to duplicate with store-bought parts."

—QST



Flexible, Two-Unit Design

Popular Model P-2 SWR/Power Meter Kit

Kit Form $15.95

OUTSTANDING FEATURES

- Flexible 2 Unit Design
- Full Kilowatt Capacity
- Needs No Power/Batteries
- Reads SWR, 1:1 to 20:1
  Relative Power, 0 to 10
- For Unbalanced Lines—
  50-72 Ohms, Ham or CB
- Range, 1.8 to 432 mc
- Accuracy Better than 10%
- Can Be Left in Line as
  Constant Monitor
- Negligible Insertion Loss

Get the most from your transmitter and antenna system. Use this easy-to-build SWR/Power Meter Kit to provide a constant check on your rig's efficiency. Measures relative power fed to the antenna, and standing waves reflected back from it. Lets you make your own matching adjustments between line and driven element for maximum efficiency.

Covers a frequency range of 1.8 to 432 megacycles—Amateur bands, Citizens Band, and other communication services. Has a full kilowatt capacity—works well with low-powered transmitters, too. May be left permanently in the transmission line with negligible power loss. Uses popular SO-239 coax connectors. Flexible 2-unit construction—coupler and indicator units are connected by a four-foot shielded cable.

100-microamp meter has 2 scales: SWR from 1:1 to 20:1; and Relative Power from 0 to 10. Has sensitivity adjustment. Accuracy is better than 10%. Styled in gray satin—matches Knight-Kit T-60 and T-150A transmitters. Requires no power or batteries. Coupler, 2x5x2½"; indicator, 2⅞x6¼x3". With all parts, instructions. Shpg. wt., 3 lbs.

83 Y 627-G. In Kit Form. **15.95**

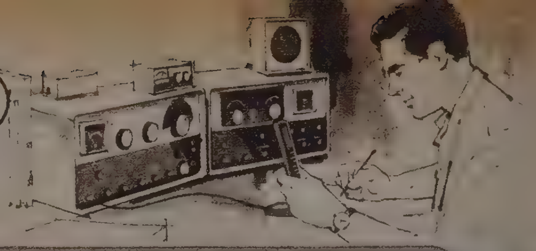
83 Y 546-G. Above, factory assembled. *$5 Monthly*. **19.95**

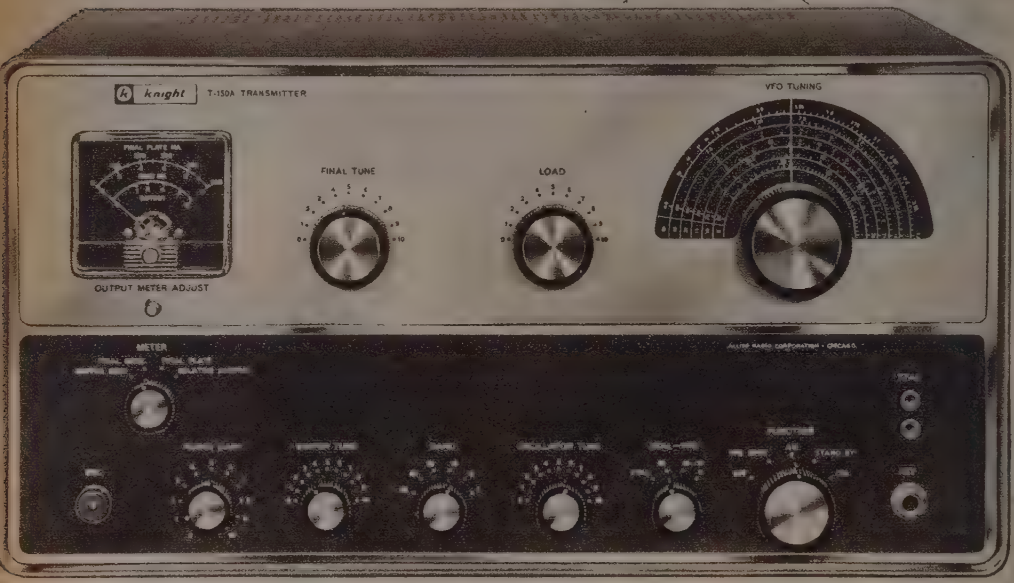
P-2 SPECIFICATIONS

Frequency Range: 1.8 to 432 mc—includes Amateur bands.
Minimum RF Power: 45 watts at 1.8 mc; ½ watt at 432 mc for full scale meter deflection.
Maximum RF Power: 1 kilowatt.
Input/Output Impedance: 52 or 72 ohms, by changing resistor.
Accuracy: Better than 10%.
Meter Sensitivity: 100 microamps for full scale deflection.
Meter Scales: Relative Power, 0 to 10; SWR, 1:1 to 20:1.
Sizes: Coupler, 2x5x2½"; Indicator, 2⅞x6¼x3"; 4-ft. cable.
Connectors: two SO-239 coaxial.

knight-kit

AMATEUR GEAR





T-150A 150-Watt AM/CW Transmitter Kit

Was $119.95

New Low Price $99⁹⁵ $5 monthly

FOR THE HAM WHO DEMANDS A CLEAN "BIG SIGNAL" AT TOP WATTS-PER-DOLLAR!

- 150 Watts CW/Peak AM Input on the 80 Through 10 Meter Amateur Bands
- Controlled-Carrier Screen Modulation for Top "Talk Power"
- Rock-Stable 6-Band VFO Has Planetary Drive, Frequency Spot Switch
- Clean, Chirpless 4-Stage Simultaneous Cathode Keying
- Thorough Shielding, Filtering and Bypassing for TVI Reduction

Now priced at $20.00 less than last year, the T-150A is one of the greatest Ham kit values ever offered! You actually get more than 1½ watts input per dollar at this new low price. Dependable 6-band rig has earned acceptance from happy owners everywhere. Controlled-carrier screen modulation gives fine audio quality with negligible distortion, plenty of mike gain, and top "talk power". Rock-stable VFO, fully calibrated for 6 bands, has backlash-free planetary drive and spot switch to let you "zero in" without going on the air.

CW/peak AM inputs are 150 watts on 80 through 10 meters. 20 watts output on 6 meters. A 4-stage simultaneous-cathode keying circuit offers clean CW for break-in work—ideal for contests, traffic and DX chasing. Power supply uses 2 silicon diodes in a full-wave voltage doubler, saving filament power and eliminating heat. Has heater/plate voltage take-off to power auxiliary gear, plus 110-130 v. AC for antenna relay.

PCIM mike connector; key jack. Takes Hi-Z dynamic or crystal mike. Gray metal case matches R-100A, following pages. Tubes: 12BY7, 12AX7, 6CL6, 6DR7, OA2, 7189, 2—6146's. With wire, solder, instructions. Less mike, key, crystals. Wt., 35 lbs.

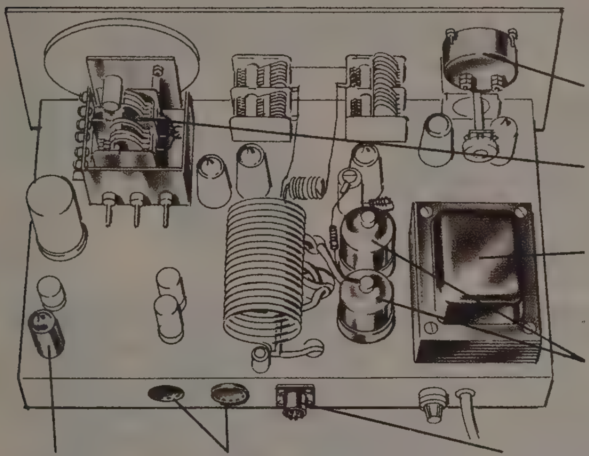
83 YU 409-G. *$5 Monthly*	**99.95**
90 SS 381-G. Crystal. Specify 3500 to 3999 kc. 80 M., 3 oz.	**2.95**
99 SS 267-G. Crystal. Specify 7000 to 7334 kc. 40-10 M., 3 oz.	**2.95**
99 SS 296-G. Crystal. Specify 8340 to 8450 kc. 6 M., 3 oz.	**2.95**

SPECIFICATIONS

Band Coverage: 80, 40, 20, 15, 10, and 6 meters. **Modes:** CW or controlled carrier AM phone. **Power Outputs:** 100 watts CW/peak AM on 80 through 20 meters; 90 watts CW/peak AM on 10 meters; 20 watts CW/peak AM on 6 meters. **Frequency Control:** internal VFO or optional crystals. **Output Coupling:** pi-network. **Output Impedance:** 40-600 ohms (coaxial connector). **Dimensions (HWD):** 8½x17x10½". **Power Requirements:** 110-130 volts, 60 cycle AC. **Power Consumption:** on AM mode, 280 watts; CW mode, 350 watts.

You Get A "Big Signal"—1½ Watts-Per-Dollar!

the T-150A brings you these most-wanted features at an economy price



CHECK THESE FEATURES!

4-Way Meter Reads Buffer Grid, Final Grid, Final Plate Currents; and Relative RF Output Power.

Calibrated VFO for 80 to 6-Meter Ham Bands. Backlash-Free Planetary Drive Assures Velvet Smooth Tuning.

Husky Conservatively Rated Power Supply—Cool-Operating Silicon Diodes Used as Voltage-Doublers.

Two Parallel-connected 6146's Used in RF Final Amplifier Are Conservatively Operated for Prolonged Life.

VR Tube in VFO B+ Drifts Just 200 cps During Warmup.

Remote Standby and Power Take-Off Plugs Plus 110-130 v. for Antenna Relay.

Pi-Coupler Output Network Matches 40 to 600-Ohm Antenna Loads—Has S0-239 Coaxial Chassis Connector.

6 MORE REASONS WHY THE T-150A IS YOUR BEST TRANSMITTER VALUE!

- ✓ Buffer Stage Isolates Oscillator from Output
- ✓ Convenient Single-Knob Bandswitching
- ✓ 4-Stage Simultaneous-Cathode Keying Circuit Offers Clean CW for Break-In Work
- ✓ Plenty of Mike Gain for High-Impedance Dynamic and Crystal Types
- ✓ Frequency "Spot" Switch for "Zeroing In" Without Putting a Signal On the Air
- ✓ Can Be Used With Crystals or Internal VFO

ACCLAIMED IN HAM JOURNALS

"... Appears to fill a niche that hasn't earlier been occupied by the many transmitter kits now on the market ... audio quality is excellent ... The keying is very good ... We were quite favorably impressed by the excellent packing and the way parts are segregated for easy identification ... Strikes a nice balance between modern styling ... and technical flavor."—QST

"... Unusually handsome ... fully satisfactory ... a fine low-cost transmitter."—73

A
B
C
D
E
F
G
The radio amateur's handbook

T-150A Transmitter Outfit

$169⁹⁵

$9 Monthly

- Ⓐ Knight-Kit T-150A 150-Watt AM/CW Transmitter Kit
- Ⓑ Knight-Kit P-2 SWR/Power Meter Kit
- Ⓒ Electro-Voice Model 727 Mike, Stand and Cable
- Ⓓ Adjustable Hand Key with Shorting Switch
- Ⓔ 50 Feet of RG8/U Foam Coax Cable and Connectors
- Ⓕ ARRL Radio Amateur's Handbook (Current Edition)
- Ⓖ Hy-Gain 5BDT 80-10-Meter Trap Doublet Antenna

Outfit price saves you $6.37. T-150A runs 150-watts CW/peak AM input, 80 through 10 meters. Has VFO, controlled-carrier screen modulation. P-2 reads SWR, 1:1 to 20:1; relative power, 0-10. Most wanted accessories included. 58 lbs.

85 YU 306-9G. *$9 Monthly*.................. **169.95**

knight-kit
AMATEUR GEAR

Engineered for Today's Crowded Ham Bands

knight R-100A RECEIVER

Shown with Optional S-Meter

S-8A Speaker Kit

Model R-100A Communications Receiver Kit

$99.95
$5 monthly

- Overall Sensitivity Better Than 1½-Microvolts for 10 db S/N Ratio
- Built-In All-Mode Q Multiplier Works on CW/AM/SSB; Peaks Desired Signal 70 db or Nulls QRM with Deep 60 db Notch
- Continuously Variable Selectivity from 300 cps to 4½ kc
- Frequency Coverage from 540 kc to 30 mc in 4 Bandswitched Ranges
- Calibrated Electrical Bandspread for 80-10 Meters—Tunes 160, Too

Unique Printed Circuit Bandswitch Eliminates Critical Lead Dress in RF, Oscillator and Mixer Sections

SPECIFICATIONS

Sensitivity: Better than 1½ μv for 10 db S/N on bands B, C and D; 4 μv on A (Broadcast Band). **Variable Selectivity:** Q multiplier, in Peak position, provides continuously adjustable IF bandpass from 300 cps to 4½ kc at 6 db down; with up to 70 db peak, provides 60 db notch in Null position. **IF:** 455 kc **Tube Complement:** 6BZ6 RF, 6BH8 mixer/HFO, 6AZ8 1st IF, 6AZ8 2nd IF/1st audio, 6BC7 detector-AVC-ANL, 6AW8A BFO/audio output, 12AX7 Q multiplier; 6X4 full-wave rectifier, OB2 voltage regulator. **Antenna Impedance:** 50-300 ohms (screw-terminal connectors). **Audio Output Impedance:** 8 ohms. **Dimensions (HWD):** 9⅛x17⅛x9⅝". **Power Required:** 110-130 volts, 60 cycle AC; 45 watts.

An outstanding achievement in communications receiver design, this superb kit has earned phenomenal acceptance from Ham and seasoned shortwave listener alike! There's no receiver like it in its price class. And, it has all the selectivity, sensitivity and stability of far more expensive factory-wired units. Employs a unique printed circuit bandswitch and modern etched circuit boards to eliminate critical "lead dress," to reduce construction time, and to assure highly reliable operating performance.

Exceptional overall sensitivity—better than 1½ μv for 10 db S/N—on 40 and 80 meters, it's actually ½ to ¾ μv! Built-in Q multiplier works on CW/AM/SSB to null QRM with deep, 60-db notch, or to peak desired signals, 70 db. Selectivity is continuously variable from 300 cps to 4½ kc. Regulated B+ on HFO holds drift to a minimum. Close tolerance, slug-tuned coils assure easy alignment. Also has: tuned RF stage; exalted BFO and RF gain control to aid in copying SSB; front-panel phone jack; vernier planetary drive—no dial stringing; ANL; delayed AVC; antenna trimmer—lots more.

Gray satin metal case matches T-150A transmitter. With all parts and detailed instructions. Less accessories, below. Shpg. wt., 32 lbs.
83 YU 406-G. *$5 Monthly*.......................................**99.95**

83 Y 424-G. S-8A Speaker Kit. Specially designed 4" speaker peaks voice frequencies. Styled to match R-100A. 6⅞x6⅝x5⅝". 3 lbs.........**9.95**

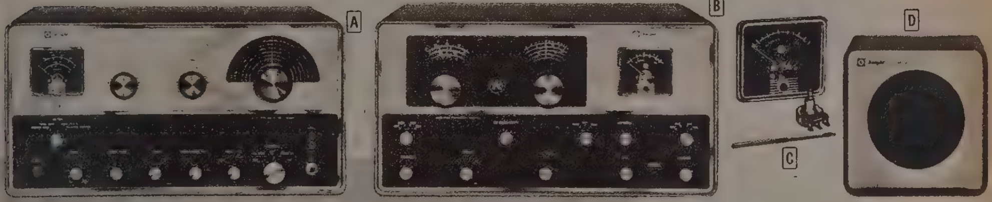
83 Y 423-G. S-Meter Kit. Reads up to +40 db over S9. 1 lb.........**12.95**

83 Y 256-G. Crystal Calibrator Kit. Builds into R-100A. Gives 100-kc markers. Trimmer zero-beats WWV. 3½x2½x1½". 1 lb.........**10.95**

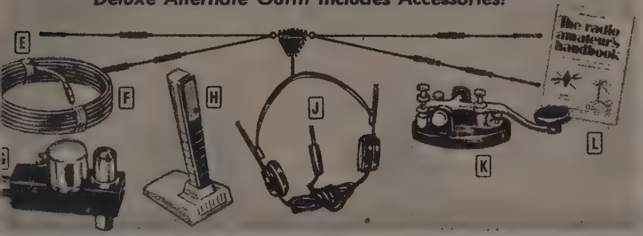
83 Y 257-G. Dual 2000-Ohm Headset with Phone Plug Attached. 1 lb.........**2.50**

Top Amateur Station Outfits from *knight-kit*

CHOOSE FROM THE FINEST VALUES IN DO-IT-YOURSELF HAM GEAR



Deluxe Alternate Outfit Includes Accessories!



Basic Station Outfit	Deluxe Station Outfit
$219.95	$289.95
$11 monthly	$15 monthly

T-150A/R-100A Basic Station Outfit

Knight-Kit T-150A Transmitter Kit with Built-In VFO
Knight-Kit R-100A Communications Receiver Kit
Knight-Kit S-Meter Kit (Builds into R-100A)
Knight-Kit S-8A Matching Speaker Kit

ace-setting value in a basic station outfit. Highlighted the T-150A, for the Amateur who appreciates a clean g signal and wants the most "watts-per-dollar". CW/ eak AM inputs are 150 watts on 80 through 10. Also orks 6 meters. Rock-stable VFO fully calibrated for all ands covered including 6; 4-stage simultaneous cathode-eying circuit offers clean CW for break-in work—ideal r contests, traffic and DX chasing; spot switch for zero-g-in on incoming signal without going on the air. R-100A unes 540 kc to 30 mc in 4 bandswitched ranges. Calibrated andspread on 80 through 10; all-mode Q multiplier; more. hpg. wt., 71 lbs. Express.

5 YZ 323-4G. *$11 Monthly* **219.95**

3 YU 409-G. T-150A Transmitter Alone. 35 lbs. **99.95**

3 Y 256-G. Crystal Calibrator Kit. Builds into R-100A. rovides 100-kc markers. Wt., 1 lb. **10.95**

3 Y 257-G. Dual Headphone and Plug. 1 lb. **2.50**

T-150A/R-100A Deluxe Station Outfit

- Ⓐ Knight-Kit T-150A Transmitter Kit with Built-In VFO
- Ⓑ Knight-Kit R-100A Communications Receiver Kit
- Ⓒ Knight-Kit S-Meter Kit (Builds into R-100A)
- Ⓓ Knight-Kit S-8A Matching Speaker Kit
- Ⓔ Hy-Gain 5BDT 80 Through 10 Meter Trap Doublet Antenna
- Ⓕ 50 Feet of RG-8/U Foam Coax Cable and Connectors
- Ⓖ Dow-Key DK-60 115-Volt AC Antenna Relay
- Ⓗ Electro-Voice 727 Microphone, Stand and Cable
- Ⓙ Dual 2000-Ohm Headphones with Phone Plug Installed
- Ⓚ Hand Key with Shorting Switch and Adjustable Tension
- Ⓛ A.R.R.L. Radio Amateur's Handbook (Current Edition)

Outfit price saves you $8.80. For the Ham who wants a moderately powered setup at a reasonable price. T-150A has 150 watts CW and peak AM input 80 through 10 meters (also covers 6). Controlled-carrier screen modulation for top talk-power. Fully calibrated VFO for all bands covered. R-100A tunes 540 kc to 30 mc; has calibrated bandspread 80 to 10 meters. Trap doublet for 80 through 10 has low SWR. Wt., 94 lbs. Express.

85 YZ 324-15G. *$15 Monthly* **289.95**

Deluxe R-100A Receiver Kit Outfit

Knight-Kit R-100A Communications Receiver Kit
Knight-Kit S-8A Matching Speaker Kit
Knight-Kit Crystal Calibrator Kit (Builds into R-100A)
Knight-Kit S-Meter Kit (Builds into R-100A)
Dual 2000-Ohm Headphones with Phone Plug Installed
Outdoor Antenna Kit with Mounting Hardware
A.R.R.L. Radio Amateur's Handbook (Current Edition)
A.R.R.L. Amateur Station Logbook

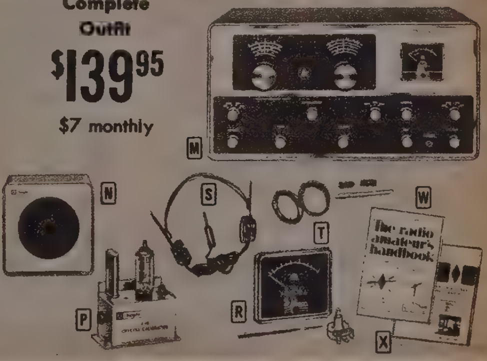
ur finest Ham receiver outfit. The R-100A tunes 540 kc 30 mc in 4 bandswitched ranges. Has calibrated elec-ical bandspread on 80 through 10 meters—also tunes 30. Better than 1½ μv sensitivity for 10 db S/N. All-ode Q multiplier has 60-db notch, or peaks desired signal) db. Continuously variable selectivity from 300 cps to ½ kc. Most asked-for accessories round out this terrific alue. Shpg. wt., 41 lbs.

5 YU 322-8G. *$7 Monthly* **139.95**

Complete Outfit

$139.95

$7 monthly



Use Allied's Credit Fund for Your Knight-Kit Purchase

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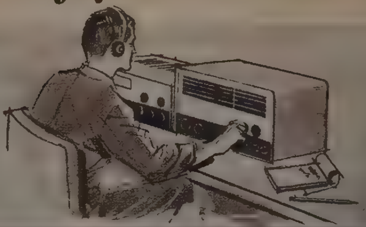
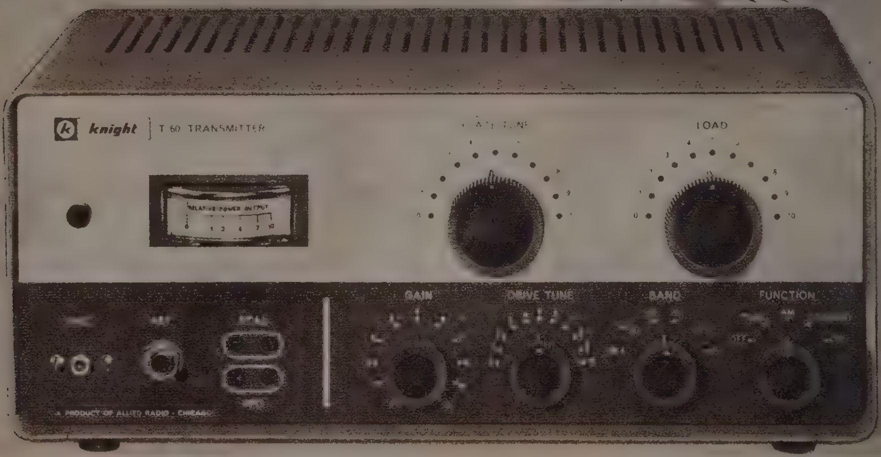
AMATEUR GEAR

Enjoy Ham Radio More



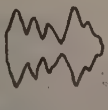


T-60 6-Band 60-Watt AM/CW Transmitter Kit

SINGLE-KNOB BANDSWITCHING
You flip the handy bandswitch control to move from band to band with speed and ease

RELATIVE POWER OUTPUT METER
Makes "tune up" a breeze—just tune for maximum deflection

CONTROLLED-CARRIER SCREEN MODULATION
Built-in modulator gives you top "talk power" on AM phone



$49.95

$5 monthly

- CW and AM Phone on the 80 through 6-Meter Ham Bands
- 60 Watts CW/Peak AM Input on 80-10; Slightly Less on 6
- Clean, Chirpless, 4-Stage Simultaneous Cathode Keying
- Easy-to-Build First Rig for Novice, Technician and Ham-to-B —Great for the Seasoned Amateur, too!

Just perfect for the newcomer—and old timers too will find the T-60 a grea "second rig" for standby, emergency and portable use. Feature for feature and dollar for dollar, there's simply nothing like the compact T-60 in its price class. Highlights include: phone and CW on 6 bands; controlled-carrier AM; adjustable pi coupler to match 40 to 600-ohm antennas; clean, simultaneous keying with bias resistor (no HV at key); "tune" position to protect 6DQ6B final during tune-up procedure; filtering and bypassing to reduce TVI; fused silicon rectifier high-voltage power supply—many other extras! Runs 60 watts CW and peak AM phone input on 5 bands, slightly less on 6 meters. Final works "straight through" on all bands but 6 meters, where it doubles. Requires VFO or crystals (3.5-mc types for 80, 7-mc types for 40-10, 8-mc types for 6). Rear panel provides 410 VDC and 6.3 VAC to power accessories; has relay switching terminals. With all parts, tubes, wire, solder and easy-to-follow instructions. Less key, mike, crystals. Shpg. wt., 15 lbs.

83 YX 294-G. *$5 Monthly* **49.95**

90 SS 381-G. Crystal. Specify 3500 to 3999 kc. Wt., 3 oz. **2.95**
99 SS 267-G. Crystal. Specify 7000 to 7334 kc. Wt., 3 oz. **2.95**
99 SS 296-G. Crystal. Specify 8340 to 8450 kc. Wt., 3 oz. **2.95**

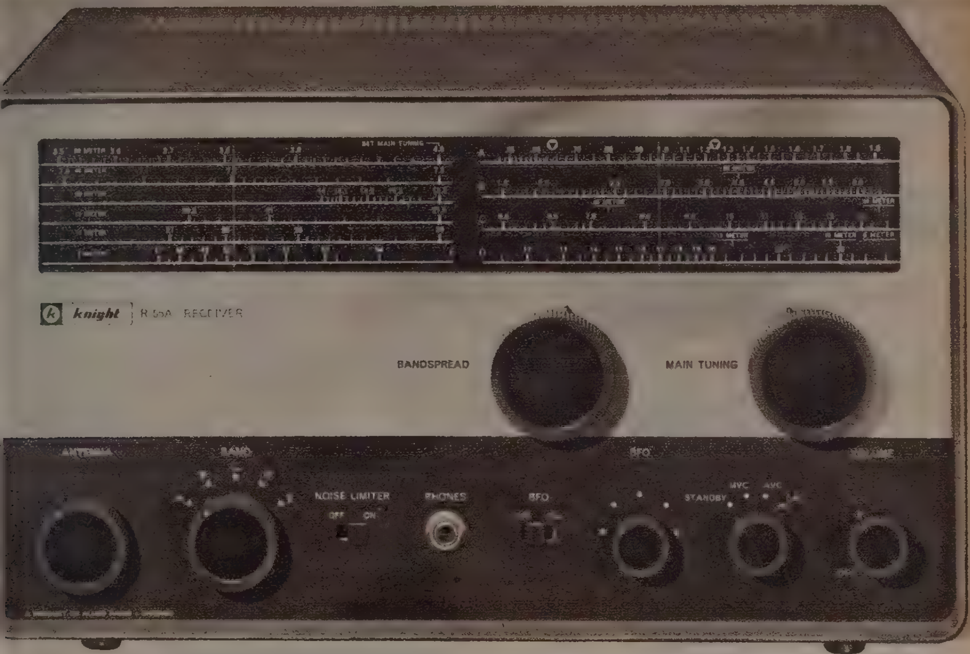
SPECIFICATIONS

Band Coverage: 80, 40, 20, 15, 10 and 6 meters. **Modes:** controlled-carrier AM phone or CW. **Power Inputs:** 60 watts CW/peak AM input on 80 through 10 meters; slightly less on 6 meters. **Frequency Control:** crystals or external VFO. **Tube Complement:** 6FH8 crystal oscillator/buffer multiplier, 12AX7 speech amplifier/1st audio, 6DR7 driver/modulator, 6DQ6B final RF amplifier. **Output Coupling:** pi-network. **Output Impedance:** 40-600 ohms (coaxial connector). **Cabinet Size (HWD):** 5x12x7". **Power Requirements:** 110-130 volts, 60 cycle AC. **Power Consumption:** 110 watts.

CQ NOVICES

Calling all Novices . . . and all you other T-60 owners too! When you become a General, your present T-60 is worth top trade-in dollars towards purchase of the popular T-150A 6-band 150-watt transmitter kit (see description, pages 66-67). Write Allied today for a generous quote. Offer good up to 18 months after purchase of T-60.

ith a Do-It-Yourself Knight-Kit — and Save!



Economy R-55A 5-Band Shortwave Receiver Kit

Was $64.95

ew
w
ice
$59⁹⁵

$5 monthly

- Covers 530 kc to 36 mc and 47 to 54 mc in 5 Ranges
- Easy-to-Build "First Set" for Amateurs, Hobbyists, Students and Shortwave Listeners
- Built-In Speaker; Calibrated Electrical Bandspread
- Noise Limiter; Variable BFO; Antenna Trimmer

ays a bargain . . . now even a greater one at $5.00 off last year's Catalog e! Excellent choice for the armchair adventurer, electronics fan or beginning m, the R-55A tunes the standard AM broadcast band and worldwide short-e from 530 kc to 36 mc, plus VHF from 47 to 54 mc. Six separate direct-ding scales are calibrated for the 80 through 6-meter Amateur bands. Fly-el-loaded main tuning and bandspread dials plus huge illuminated slide- scales—all contribute to smooth, effortless station selection. Fused, trans-ner-type power supply. Self-contained 3½" speaker provides clear voice crisp CW reproduction. Other outstanding features: front-panel head-ne jack for private listening; AVC to reduce fading and blasting; variable for code reception; antenna trimmer to peak incoming signal; standby ch; provision for "building in" crystal calibrator, listed below. Gray metal inet matches T-60 transmitter kit on facing page. Supplied with all parts, es, wire, solder and instructions. Shpg. wt., 23 lbs.

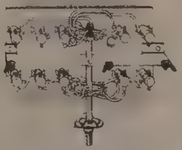
U 417-G. *$5 Monthly.* Was $64.95	**59.95**
256-G. Crystal Calibrator Kit. Gives 100-kc markers. 1 lb.	**10.95**
257-G. Dual 2000-Ohm Headset and Phone Plug. Wt., 1 lb.	**2.50**
099-G. Outdoor Antenna Kit. Wire, lead-in, hdwe. 1½ lbs.	**98¢**

SPECIFICATIONS

requency Ranges: band A, 530 to 1900 kc; band B, 1.8 to 6.3 mc; band C, 6 to 14.5 c; band D, 11.5 to 33 mc; band E, 47 to 54 mc. **Image Rejection:** 42 db at 80 meters; db at 6 meters. **Tube Complement:** 6BE6 mixer/oscillator, 6BZ6 1st IF amplifier, AW8A 2nd IF amplifier/audio driver, 6AL5 detector-AVC/noise limiter, 6AW8A FO/audio output; EZ90 rectifier. **Intermediate Frequency:** 1650 kc (two stages of mplification). **Cabinet Size (HWD):** 8⅛x14¾x10¼". **Power Requirements:** 110-130 lts, 60 cycle AC. **Power Consumption:** 60 watts.

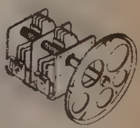
HUGE EDGE-LIT SLIDE-RULE DIAL

Brightly illuminated, easy-to-read dial scales are clearly calibrated in megacycles



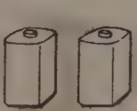
MODULAR COIL ASSEMBLIES

Two modular coil assemblies add to ease of assembly, give fine coil-bank shielding. Coils mount on L brackets and assemble before mounting.



CALIBRATED ELECTRICAL BANDSPREAD

Bandspread capacitor "spreads out" crowded signals on the 80 thru 6-meter Ham bands



2 STAGES OF I.F. AMPLIFICATION AT 1650 KC

for sharp selectivity and high image rejection.

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Get Started in Ham Radio with Knight-Kit Outfits

A
B
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HAM

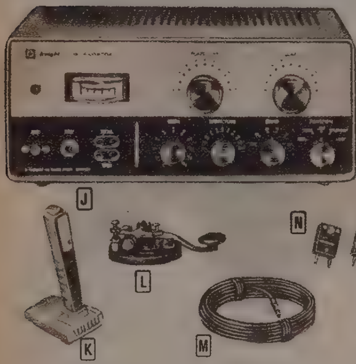
Low-Cost Station Outfit with T-60 and R-55A Kits

Save $13.11 on Complete Outfit $\$129^{95}$ $7 monthly

[A] Knight-Kit T-60 6-Band 60-Watt CW/Peak AM Transmitter Kit
[B] Knight-Kit R-55A Communications Receiver Kit
[C] Electro-Voice Model 727 Microphone with Stand and Cable
[D] Dual High-Impedance Headphones with Phone Plug Installed
[E] Your Choice of 2 Transmit Crystals: Select From 3515, 3725, 3880, 7020 or 7160 kc
[F] 50 Feet of RG-8/U Foam Coax Cable and Connectors
[G] Hand Key with Shorting Switch and Adjustable Tension
[H] Howard W. Sams Book: "So You Want to Be a Ham"

T-60 has 60 watts CW/peak AM input on 80 through 10 meters—slightly less on 6. Pi-network output to match 40-600 ohm antennas. R-55A tunes 530 kc to 36 mc and 47 to 54 mc in 5 bands. Cailbrated electrical bandspread on Ham bands, 80 through 6. Built-in speaker; BFO; noise limiter; antenna trimmer. 52 lbs.

85 YU 321-11G. *$7 Monthly. Specify 2 Crystals*	**129.95**
83 YX 294-G. T-60 Kit Alone. Wt., 15 lbs.	**49.95**
83 YU 417-G. R-55A Kit Alone. Wt., 23 lbs.	**59.95**



Save $10.66 $\$69^{95}$ $5 monthly

R-55A Outfit $\$67^{95}$ $5 monthly

T-60 6-Band 60-Watt Transmitter Outfit

[J] Knight-Kit T-60 60-Watt CW/Peak AM Transmitter Kit
[K] Electro-Voice Model 727 Microphone, Stand and Cable
[L] Hand Key with Shorting Switch and Adjustable Tension
[M] 50 Feet of RG-8/U Foam Coax Cable and Connectors
[N] Your Choice of 2 Transmit Crystals: Select From 3515, 3725, 3880, 7020 or 7160 kc
[P] Howard W. Sams Book: "So You Want to Be a Ham"

A fine "first rig", the T-60 works the 80 through 6-meter bands with 60 watts CW and peak AM input (slightly less on 6). Offers: single-knob bandswitching; efficient peak carrier-controlled modulation; clean, simultaneous cathode keying; wonderfully easy meter tune-up. Has Pi-network output to match 40-600 ohm antennas; plenty of filtering and bypassing to reduce TVI; and fused, silicon rectifier HV power supply. Wt., 28 lbs.

85 YX 320-9G. *$5 Monthly. Specify 2 Crystals* **69.95**

Deluxe R-55A Receiver Outfit

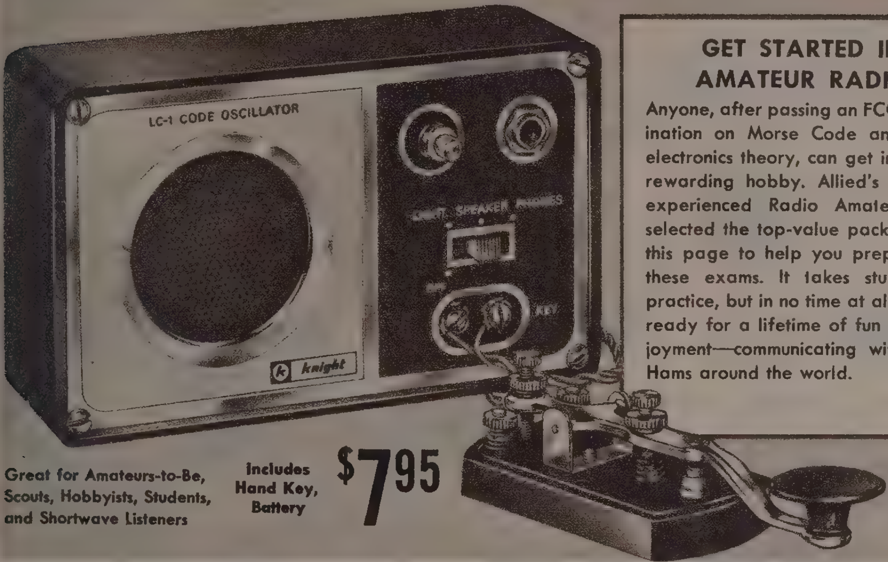
[R] Knight-Kit R-55A Communications Receiver Kit
[S] Dual High-Impedance Headphones with Phone Plug
[T] Wen Model 75 Soldering Pistol with Spotlight
[W] Outdoor Antenna Kit with Mounting Hardware
[X] Howard W. Sams Book: "So You Want to Be a Ham"
[Y] A.R.R.L. Amateur Station Logbook

Top-value beginning Amateur or shortwave listener outfit. Popular R-55A receiver tunes 530 kc to 36 mc and 47 to 54 mc in 5 bands. Calibrated electrical bandspread on all Ham bands, 80 through 6 meters. Features built-in speaker; BFO; noise limiter; AVC; antenna trimmer; superhet circuit with two 1650 kc IF's; standby switch; and huge, illuminated slide-rule dials. Fused, transformer-type power supply. Flywheel-loaded main tuning. Shpg. wt., 28 lbs.

85 YU 319-6G. *$5 Monthly* **67.95**

Have Fun Learning Code the *knight-kit* Way!

THE PERFECT "STEPPING STONE" TO FULL-FLEDGED AMATEUR RADIO OPERATING



GET STARTED IN AMATEUR RADIO

Anyone, after passing an FCC examination on Morse Code and basic electronics theory, can get in on this rewarding hobby. Allied's staff of experienced Radio Amateurs has selected the top-value packages on this page to help you prepare for these exams. It takes study and practice, but in no time at all, you're ready for a lifetime of fun and enjoyment—communicating with other Hams around the world.

Great for Amateurs-to-Be, Scouts, Hobbyists, Students, and Shortwave Listeners

Includes Hand Key, Battery

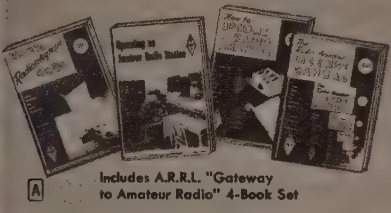
$7.95

Model LC-1 Transistor Code Practice Oscillator Kit

spiring Amateurs, Scouts, students and hobbyists—all ppreciate this portable, transistorized code practice kit. Iakes learning the International Morse Code almost ffortless. Adjustable hand key gives you the "feel" f on-the-air operation right away. You learn fast as you atch the built-in flasher, or listen to the clear tone rough the built-in speaker. Advanced-design 2-transistor ircuit gives you plenty of volume for group practice. Like perating privately? Just plug high-impedance headset ptional, right) into the front-panel phone jack. Since ne LC-1 is completely portable, you can practice wherever you go—indoors or out. Assembling this kit is a breeze—thanks to Knight-Kit's picture-clear, step-by-step instructions. In just a few fun-packed hours, you're ready to go. Uses 1½-volt "C" size battery for power. Under normal use, one battery lasts several months. Has black bakelite case with aluminum panel and charcoal gray trim. Size, 2x6¼x3¾". Includes all parts, key and battery. Shpg. wt., 2¾ lbs.

83 Y 432-G **7.95**

83 Y 257-G. 2000-Ohm Dual Headset. Includes phone plug factory installed. Wt., 1 lb. **2.50**



Includes A.R.R.L. "Gateway to Amateur Radio" 4-Book Set

ALLIED RADIO
CODE COURSE
B

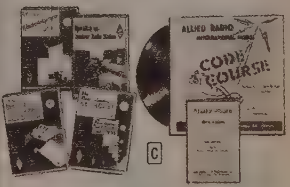
Value-Packed LC-1 Code Practice Starter Packages

ACKAGE "A". Low-cost package gives ou: Knight-Kit Model LC-1 Code ractice Oscillator Kit, and popular -book A.R.R.L. set titled "Gateway Amateur Radio". Books have these tles: **How to Become a Radio Amateur; earning the Radio-Telegraph Code; adio Amateur's License Manual: Operat- g An Amateur Radio Station.** 4 lbs.

5 Y 325-2G **8.95**

PACKAGE "B". Selected to help you pick up Morse Code even faster! You get: Knight-Kit Model LC-1 Code Practice Oscillator Kit, plus Allied's 10-lesson code course complete on a 12-inch 33⅓ rpm recording. Each side has 5 lessons, from start up to 15 words per minute. Includes helpful 20-page manual. 4 lbs.

85 Y 326-2G **11.95**



Deluxe LC-1 Package

PACKAGE "C". Our finest package has everything! Consists of Knight-Kit Model LC-1 Code Practice Oscillator Kit; plus the A.R.R.L. "Gateway to Amateur Radio" 4-book set, and Allied's 33⅓ rpm code course record (both described at left). Shpg. wt., 5 lbs.

85 Y 327-3G **12.95**

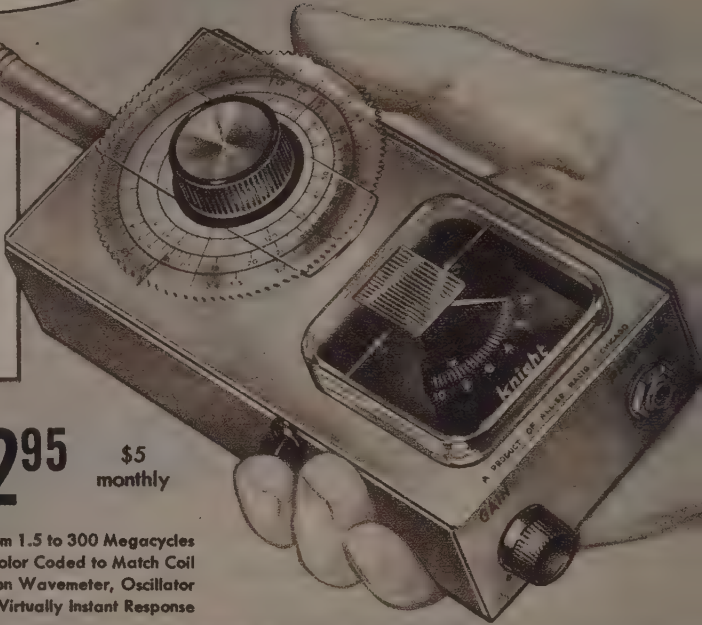
knight-kit
AMATEUR GEAR

Ham-Proven Model G-30 Grid-Dip Meter Kit

DELUXE FEATURES!

Adjustable Hairline Cursor

Color-Coded Coils Match Dial Ranges



Extremely Compact, Only 1⅝" Deep . . . Fits in Your Palm

$22.95 $5 monthly

- Continuous Overlapping Coverage from 1.5 to 300 Megacycles
- Easy to Read—Each Range Scale Is Color Coded to Match Coil
- Use As a Signal Generator, Absorption Wavemeter, Oscillator
- Undamped Meter Movement Assures Virtually Instant Response

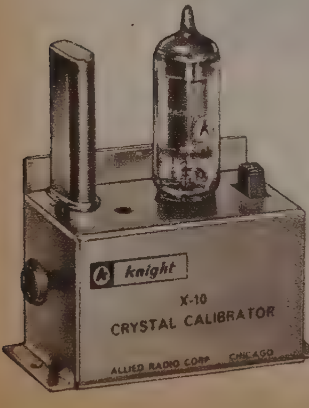
FINEST GRID-DIP METER KIT AVAILABLE AT THIS UNUSUALLY LOW PRICE

You'll find hundreds of uses for this invaluable instrument. Serves as a grid-dip oscillator to determine resonant frequency, as well as an oscillating detector, signal generator and absorption wavemeter. Covers 1.5 to 300 mc in 6 overlapping ranges. Calibrated dial and movable hairline cursor allow accurate readings. Excellent for receiver alignment, adjustment of wave traps, finding parastic oscillations, adjusting antennas. Ranges are color-coded to match coils. Undamped meter movement for quick response. Variable sensitivity control for optimum grid current adjustment. Stable . . . entire band may be tuned without readjusting gain. Molded socket holds plug-in coils securely Plug in any standard-spaced crystal, and unit becomes a crystal oscillator. Phone jack permits use as modulation monitor, regenerative detector. Also determines inductance and capacitance. 6AF4A oscillator, selenium rectifier. 6⅜x3¼x1⅝". With plastic case, 6 coils, instructions. For 110-130 v., 50-60 cycle AC. 3 lbs.

83 Y 721-G. *$5 Monthly*. **22.95**

37 K 006-G. How To Use Grid-Dip Oscillators. By R. P. Turner, K6A1. Includes use with Amateur receivers, transmitters, antennas. 112 pages. Illus. 6x9". 4 oz. **2.45**

Model X-10 100-kc Crystal Calibrator Kit



$10.95

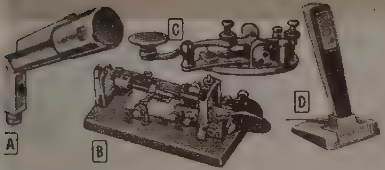
- Provides Frequency Marker Every 100 Kilocycles to 35 Megacycles
- Convenient Trimmer Permits Zero-Beating with Station WWV
- Builds into Knight-Kit R-100A, R-55A, and Other Receivers
- Extremely Compact Size
- Includes 100-Kc Crystal

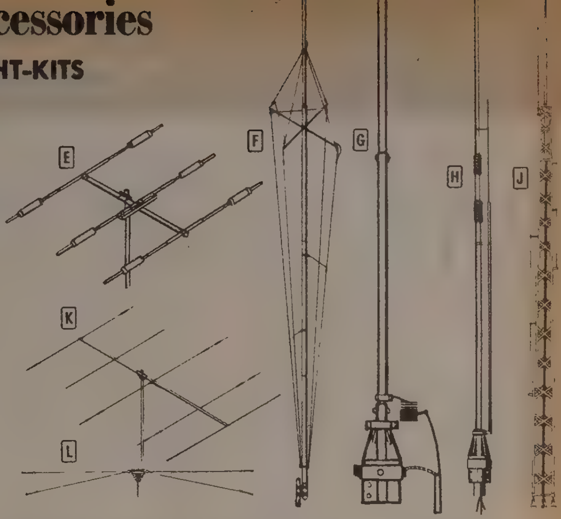
Low-cost secondary frequency standard produces harmonics every 100 kc up to 35 mc. These markers give check points that are extremely accurate in the 160 to 10-meter Ham bands and in the international SW bands. By providing a signal in the receiver every 100 kc, the calibrator permits highly accurate dial calibration. An Amateur "must" for marking band edges. And, it's easy to connect—there are only 4 wires to hook up. Has trimmer for zero-beating with WWV, or any station broadcasting on a multiple of 100 kc. Requires 6.3 volts AC or DC at 150 ma. and 150-300 volts DC at 6 and 3 ma respectively. Has on-off switch. Crystal is hermetically sealed. With wire, solder, 100-kc crystal and simple instructions. Only 3½x2½x1½", fits inside most Amateur receivers. Wt., 1 lb.

83 Y 256-G. **10.95**

Selected Ham Accessories

FOR USE WITH KNIGHT-KITS





A **57 S 241-G. E-V 664 Cardioid Mike.** 40-15,000 cps. 150 ohms/Hi-z. On-off. Chromed. 18′ cable. ⅝″-27 thread. 7³⁄₁₆x1⅞″. 2 lbs. *$5 Mo.* **49.98**

57 S 209-G. Gray Desk Stand. 3 lbs. **5.88**

B **89 S 939-G. Vibroplex "Original" Semiautomatic Key.** 10 wpm up. Chrome-plated mechanism; gray cast-iron base. Rubber feet. 5 lbs. *$5 Mo.* **22.45**

C **86 S 656-G. Brass Hand Key.** Tension/pressure adj. Brass. Short switch. 2 lbs. **1.98**

D **57 S 175-G. E-V 727 Cardioid Mike.** 60-8000 cps. Hi-Z. 5′ cable. Gray. ⅝″-27 thread. Mike, 7⅞x1½x1¼″. With stand. 1 lb. **10.58**

57 S 257-G. 727SR. Has On-off switch. 1 lb. ... **11.76**

Low-Pass Filters

M **B&W 425 LOW-PASS FILTER.** Rated 1 kw. Two "M" end sections; 4 constant-K center sections. 85-db attentuation on TV channels; 100-db on channel 2. For 52-ohm lines. 6 lbs.

89 S 458-G. **17.10**

N **DRAKE TV-1000-LP LOW-PASS FILTER.** Rated 1 kw RF through 10 meters; 200 watts on 6 meters. Cutoff, 52 mc. 52 ohms. Wt., 2 lbs.

89 S 455-G. **16.95**

TV-100-LP FILTER. Above, but 100 watts to 10 meters, 20 watts on 6 meters. 1 lb.

89 S 456-G. **5.95**

E **89 CZ 786-G. Mosley TA-33 Beam.** 10, 15, 20 mtrs. 8 db gain. 25 db F/B. 1.1:1 SWR. 1-kw AM trap. Turning rad., 15′6″. 55 lbs. Express. *$6 Mo.* ... **104.75**

89 CZ 787-G. TA-33 JR. Above, but 300-W. TR, 14′9″. 29 lbs. Exp. *$5 Mo.* **72.98**

F **86 CZ 142-G. Hy-Gain 18-JR Hy-Tower Junior.** 10-80 mtrs. Self-support. No switch or traps. 2:1 SWR. 2kw PEP. 38′ high. 37 lbs. Exp. *$5 Mo.* **79.95**

G **86 SX 043-G. Hy-Gain 18-V.** 10-80 meters. 18′ high. 8 lbs. Exp. ... **16.95**

H **89 CZ 765-G. Hy-Gain 14-AVS.** 10-40. No switching. SWR, 2:1. 2 kw PEP. Base insul., mast mt. Needs roof kit below. 21′ high. 11 lbs. Exp. *$5 Mo.* **29.95**

89 CU 767-G. 14-RMK Roof Mtg. Kit. For 14-AVS. 10 lbs. Express. **11.95**

89 S 350-G. LC-80 80-Meter Loading Coil. For 14-AVS above. 1 lb. **7.95**

86 SX 145-G. 6-MK 6-Meter Adapter For 14-AVS above. 2 lbs. **4.95**

J **89 CZ 769-2G. Hy-Gain 18-HT Hy-Tower.** 10-80. Self-support. No traps. 5 kw PEP. 15″ base, 50′ high. Base insul. 107 lbs. Exp. *$7 Monthly.* **139.50**

K **86 CZ 605-G. Hy-Gain TH-5 Thunderbird Tri-Bander.** 5 elements. 10, 15, 20. Gain, 8.9-10.7 db. 2 kw PEP. Turn. rad., 18″. 54 lbs. Exp. **139.95**

89 CZ 754-G. TH-3. Similar to above, but 3 elements. 8 db gain. Turning radius, 14′8″. 37 lbs. Exp. *$5 Mo.* .. **99.75**

L **Hy-Gain Multiband Doublets.** 1 kw PEP. *Trapless (illus.), 2 kw. With insulators. Less 52-ohm coax. 5 lbs.

Stock No.	Type	Bands	EACH
89 S X 770-G	2BDP*	15, 40, 80	19.95
89 S X 771-G	2BDT	40, 80	19.95
89 S X 772-G	3BDT	10, 15, 20	17.50
89 S X 773-G	4BDT	10-40	24.50
89 S X 774-G	5BDT	10-80	34.95

Ham Books and Coax Cable

83 Y 240-G. So You Want to Be a Ham. (Howard W. Sams.) Everything a would-be Amateur should know. Covers receivers, transmitters, the value of building kits, test equipment, safety measures going "on the air," etc. 192 pp. 5½x8½″. 8 oz. **2.95**

37 K 500-G. Radio Amateur's Handbook. (A.R.R.L.) Latest edition of the Ham's "Bible" covers all phases of theory, construction and operating practices. 728 pages. 6½x9½″. 2¼ lbs. **3.50**

37 K 566-G. Gateway to Amateur Radio. (A.R.R.L.) Set of 4 books for the Novice or prospective Ham: *How to Become a Radio Amateur; Learning the Radio-Telegraph Code; Radio Amateur's License Manual:* and *Operating an Amateur Radio Station.* 6½x8½″. 1 lb. **2.00**

37 K 273-G. Getting Started in Amateur Radio. (Rider.) Covers steps required for a Ham license. Sample exams, study questions and answers. 144 pages. 5½x8½″. 6 oz. **2.35**

37 K 558-G. Amateur Station Logbook. (A.R.R.L.) 8½x11″. 7 oz. .. **50c**

37 K 006-G. How to Use Grip-Dip Oscillators. (Rider.) Principles, circuits, measurements, etc. 112 pp. 5½x8½″. 4 oz. **2.45**

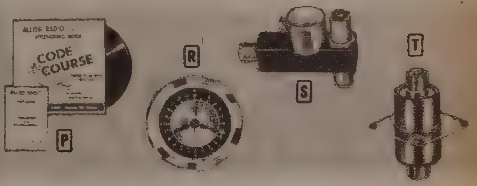
KNIGHT RG8/U 50-OHM COAX CABLE. Polyfoam dielectric. Meets rigid specs. PL-259 plug on each end. In coils.

89 S 522-G. 100′. 11 lbs. ... **13.95** **89 S 519.** 50′. 7 lbs. **8.50**

KNIGHT RG58/U 53.5-OHM COAX CABLE. Foam dielectric. PL-259 plug each end, except *PL-259 and split lug. In coils.

89 S 530-G.* 20′. Shpg. wt., 1 lb. **2.95**

86 S 883-G. 50′. 2 lbs. .... **5.50** **86 S 884.** 100′. 4 lbs. **8.95**



P **ALLIED CODE-COURSE RECORD.** 10 lessons on one 12″ 33⅓ rpm record; 5 per side. Takes you up to 15 wpm. Jacket has code table. Includes 20-page instr. book. 1 lb.

89 S 573-G. **4.49**

R **MASTERCRAFTERS 191 WORLD CLOCK.** South polar projection shows time anywhere. Chrome plated case, 8″ dia. For 110-220 volt, 60 cycle AC. Shpg. wt., 1½ lbs.

89 S 472-G. Includes F.E.T. **8.47**

S **DOW-KEY DK60 COAX ANTENNA RELAY.** Switches antenna between transmitter and receiver. Silver contacts to 1 kw. Breakdown, over 1000 v. rms. Imp., 5 ohms. Loss, less than 0.03 db at 400 mc. VSWR, 1.15:1. 2¾x3¾x1⅛″. 11 oz.

76 P 115-G. **12.45**

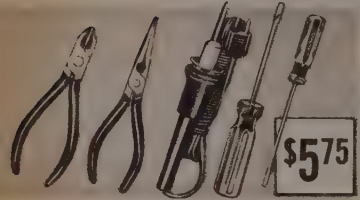
T **HY-GAIN LA-1 LIGHTNING ARRESTER.** Will by-pass 10 or more direct lightning strikes. Removes static build-up around antenna. For any 52 or 72-ohm coax feedline. 5 oz.

86 S 566-G. *$5 Monthly.* **19.95**

See Pages 332-339 for a Complete Selection of Amateur Accessories

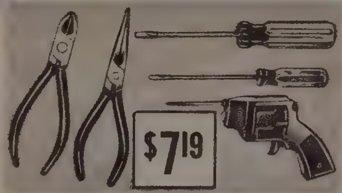
knight-kit Tool Values for Kit Builders

SPECIALLY SELECTED FOR THE HOBBYIST BUILDING KNIGHT-KITS



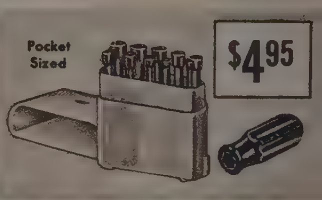
Knight-Kit 5-Piece Tool Kit

Contains everything you need to easily put together your Knight-Kit. Features the Ungar Model 7913 27-watt pencil-type soldering iron; 5" diagonal cutters; 6½" long-nose pliers; 3½x3/32" and 4x3/16" screwdrivers. Tapered soldering pencil is great for those "close spots" in PC work. Cutter and pliers have comfortable cushion grips. Shpg. wt., 1½ lbs.
83 Y 070-G. **5.75**



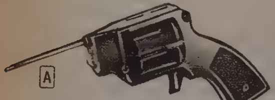
Knight-Kit Deluxe 5-Piece Kit

Outstanding selection of tools chosen for their excellent quality and to help you with your knight-kit building. Includes: Wen Model 75 soldering pistol with built-in spotlight; 5" diagonal cutters; 6½" long-nose pliers; 3½x3/32" and 4x3/16" screwdrivers. Pistol has Automatic Thermal Regulation for printed-circuit and general soldering uses. Shpg. wt., 2½ lbs.
83 Y 071-G **7.19**

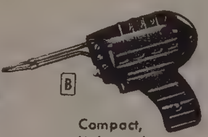


12-Piece "Compact" Nutdriver Set

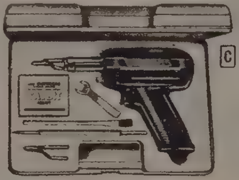
Handy kit contains 10 pocket-size nutdrivers, plus slip-on handle for greater driving power. Just slide the extra handle over the nutdriver handle for greater torque. Sizes: 3/32" to ⅜" in 1/32" steps . . . a right size for every job. Color coded. Nutdrivers only 3½" long; slip-on handle, 1x3⅛" long . . . all in pocket-size plastic case. Wt., 11 oz.
51 N 194-G. **4.95**

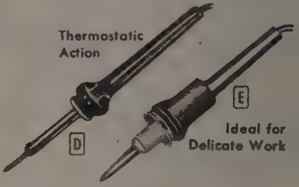


Trigger Switch, Built-in Prefocused Spotlight for Work Area



Compact, Lightweight Design





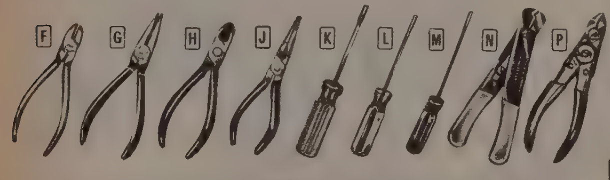
[A] WEN 75—30/50-WATT GUN. Versatile soldering gun with Automatic Thermal Regulation. Draws 30 to 50 watts, depending on job. 9¼" long with tip. U.L. and C.S.A. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 1¼ lbs
83 Y 056-G **3.64**
51 N 031-G. Extra Tip. 2 oz. . . . **70¢**

[B] WEN 100—100-WATT GUN. Efficient, transformer type gun heats up in just 2½ seconds. Built in prefocused spotlight eliminates shadows in soldering area. Trigger switch. 8" long with steel-nosed tip. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs.
50 N 025-G **4.65**

[C] WELLER 8200PK "EXPERT" SOLDERING KIT. Everything for fast professional soldering. Includes: Weller 8200, U.L. Listed, 100/140-watt, spotlight gun; plastic utility case; 3 tips for soldering, cutting and smoothing; tip-changing wrench; cleaning brush; solder-aid tool; and coil of solder. For 110-120 v., 60 cycle AC.
51 N 059-G. Shpg. wt., 2½ lbs. **6.39**

[D] WALL 14T 40/125-WATT SOLDERING IRON. For PC and general soldering. Thermostatic—right amount of heat for each job. ¼" tip; 8" length U.L. Listed. For 110-120 v., AC/DC. 7 oz.
50 N 551-G. **5.87**

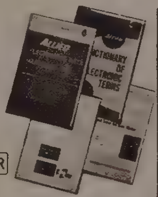
[E] UNGAR 7913 27-WATT SOLDERING IRON. Gets at hard-to-reach spots. Fine for printed circuit work. Tip tapers to ⅛". Overall length, 7½". U.L. Listed. For 110-120 v., AC/DC. Wt., 6 oz.
83 Y 068-G **2.27**
83 Y 067-G. Extra 7506 Tip. 2 oz.. . . **98¢**

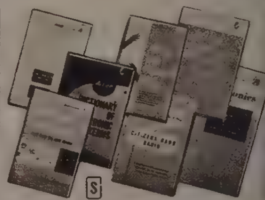


First-Quality Cutters, Pliers, Screwdrivers, Stripper

✓ Rigid Factory Testing Ensures Top Quality
✓ Constructed of Durable High-Grade Tool Steel

(F) KNIGHT 5" DIAGONAL CUTTERS. Vinyl cushion-grip handles.
50 N 133-G. Shpg. wt., 1 lb. **1.98**
(G) KNIGHT 6" LONG-NOSE PLIERS. Vinyl cushion-grip handles.
50 N 132-G. Shpg. wt., 1 lb. **2.26**
CUTTERS AND PLIERS. From England. Have cushion grips.
51 N 795-G. Fig. H. 5" Diagonal Cutters. Shpg. wt., 5 oz. **1.49**
51 N 794-G. Fig. J. 6½" Long-Nose Pliers. Shpg. wt., 6 oz. . . . **1.49**
SCREWDRIVERS. Have shock-proof plastic handles. Contour grip.
51 N 796-G. Fig. M. 3½x3/32" shaft; 5¾" long. Shpg. wt., 2 oz. . . . **21¢**
51 N 797-G. Fig. K. 4x¼" shaft; 7¾" long. Shpg. wt., 5 oz. . . . **59¢**
51 N 798-G. Fig. L. 4x3/16" shaft; 7½" long. Shpg. wt., 3 oz. . . . **49¢**
(N) WIRE STRIPPER/CUTTER. 5" long. For up to #8 wire, solid or stranded.
83 Y 215-G. Shpg. wt., 4 oz. . . . . **87¢**
(P) PC PLIERS. Cuts and crimps leads—prevents fall-through on PC board.
51 N 467-G. Shpg. wt., 1 lb. **3.59**





Books for Electronics Enthusiasts

[R] 4-BOOK SET. Allied's greatest book value. For hobbyists, servicemen, Hams and technicians. Includes: *Electronics Data Handbook; Dictionary of Electronic Terms; Getting Started in Electronics;* and *Understanding Transistors and How to Use Them.*
37 K 804-G. All 4 Books. Regularly $2.00. . . . . **1.75**

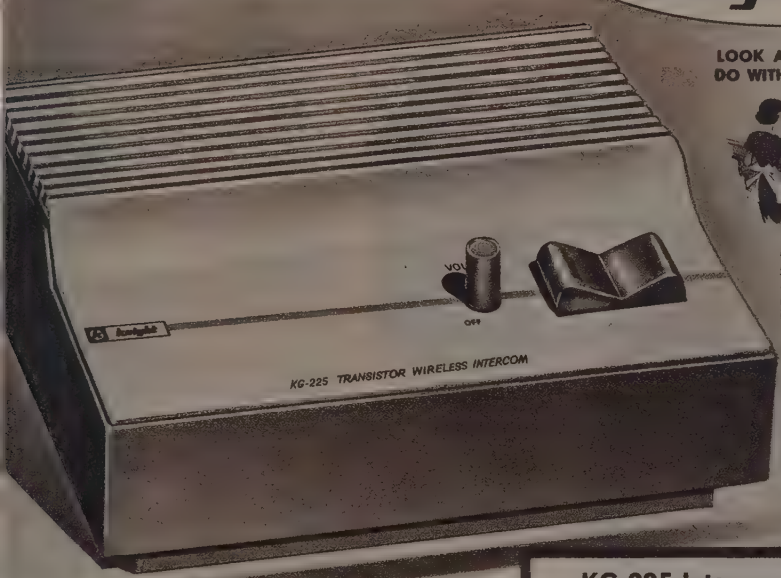
[S] 7-BOOK SET. A self teaching course in electronics. Easy to read, understand, and use. Includes: *Electronics Data Handbook; Dictionary of Electronic Terms; Getting Started in Electronics; Understanding Transistors and How to Use Them; All About High-Fidelity and Stereo; Understanding and Using Citizens Band Radio;* and *Basic Electronics.*
37 K 691-G. All 7 Books. Regularly $3.25 . . . . **2.75**

Look to Knight-Kit for Precision Hand Tools at Lowest Prices

KG-225 Transistorized Wireless Intercom Kit

WIRELESS—JUST PLUG-IN AND USE!

NEW from knight-kit

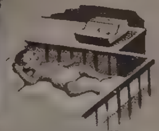


Handsome Styrene Case
Styled in Sea Foam and Cream

LOOK AT ALL YOU CAN DO WITH THIS INTERCOM

HOME HELPER: Call the garage, workshop or playroom right from your own kitchen.

OFFICE: Save time and steps—no need to leave desk.



BABY SITTER: Listen in on baby's room from any other room in the house.

Model KG-225 Wireless Intercom Kit

$19.95

$5 monthly

- No Wiring Required Between Stations
- All Are Masters—All Originate Calls
- Squelch Circuit Eliminates Interference
- Add More Stations As Needed—No Limit
- Three Transistor, One Diode Circuit

Transistorized and wireless—it's the newest, finest, most advanced intercom kit you can buy! Use in office, plant or shop; from house to garage; even between adjacent homes or buildings on same electric-company power-line transformer. Move stations from place to place—just plug into any AC wall outlet. Since coils are pretuned at factory, there's no need for further adjustment.

Enjoy all the advantages of solid-state circuitry: minimum noise, hum and microphonics; virtually maintenance-free operation; compact size; cool-running—no ventilation problems; amazingly low current drain—hardly more than an ordinary electric clock. Adjustable squelch circuit provides quiet, static-free messages. Dual frequency (136 and 215 kc) switch allows 2 systems to be operated simultaneously and independently of the other. Has advanced 3-transistor and 1-diode circuit. Specially designed volume control makes it impossible to turn volume below an audible level and miss a call.

Has transformer-operated, full-wave bridge power supply. Large press-to-talk rocker switch has rocking position for continuous transmit. Styrene case styled in Sea Foam and Cream; has keyhole slots for handy wall mounting. Size, 3¼x8¼x5¾". With all parts, detailed instructions. For 110-130 v., 60 cycle AC. Wt., 4 lbs.
83 Y 309-G. *$5 Monthly*.................. **Per Unit 19.95**

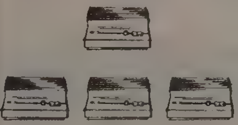
KG-225 Intercom Kit Packages

Complete 2-Station Kit Package

Two-station outfit that makes an ideal electronic "baby sitter." Place unit in baby's room—the other goes with you to laundry room, kitchen, patio, etc. Just plug into any AC wall outlet and listen. Instructions included. 8 lbs.
85 Y 015-2G. *$5 Monthly*.................. **39.90**

Complete 3-Station Kit Package

Three-station outfit for dependable intercommunication in home, shop or office. All stations are Masters—can originate as well as receive calls. No wiring required between stations. 12 lbs.
85 YX 016-3G. *$5 Monthly*................ **58.85**



Complete 4-Station Kit Package

Four station outfit saves you $1.85. Ideal for industrial and business uses, as well as in the home. Has 2 different frequencies—lets you operate 2 separate systems, if desired. 16 lbs.
85 YX 017-4G. *$5 Monthly*................ **77.95**

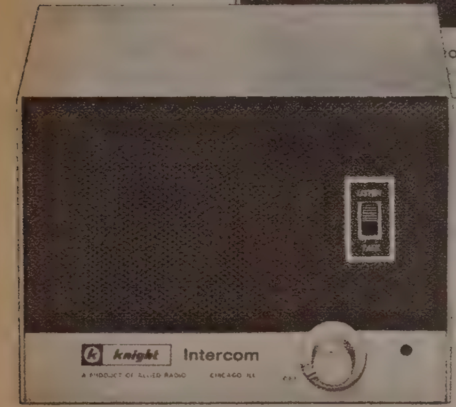
Knight-Kit Has the Best Values In Do-It-Yourself Intercoms

knight-kit

INTERCOM KITS

Time and Step-Saving Intercoms at Low Cost

Includes 50 Feet of 3-Conductor Interconnecting Cable



You Can Listen-In On Baby's Room . . .

You Can Page Workers At Their Jobs . . .

2-Station System

$14.95

Amazingly Sensitive—Actually Responds to Even a Whisper. Perfect for Baby's Room!

Our best selling 2-way intercom kit system! The thousands now in use attest to its popularity in homes, shops, plants and offices. It makes a perfect electronic "baby sitter." Simply install Remote in nursery to permit continuous listening in, and place Master in kitchen or laundry room. In office or shop, you can have private or non-private conversations. Accepts up to 3 more Remotes parallel-wired.

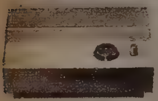
Master has volume control to adjust loudness of system; only the Master station needs to be plugged into wall outlet. All Remotes can talk with each other when Master is on. Stations operate up to 50′ apart with wire supplied—up to 200′ when 18-gauge cable is used. High-gain amplifier and top-quality 4″ speakers respond to the slightest sound—even to a whisper.

Metal cabinets in Cream Ivory with contrasting brown grilles. With all parts, 50′ interconnecting cable (extra cable, below), detailed instructions. Each unit, 5x6⅝x4½″. For 110-130 v., 50-60 cycle AC or DC. 7¼ lbs.

83 Y 297-G. 2-Station System. . . **14.95**

83 Y 298-G. Extra Remote Kit. Less cable, below. Wt., 3 lbs. **3.95**

Solid-State Master Intercom Kit Has 6-Station Capacity!



Remote Station Does Not Require AC Power

Master Alone

$19.95

$5 monthly

KG-3000 Transistor Master Intercom Kit

Offers you intercom performance on a par with far more costly professional equipment. Use with up to 5 other Masters; up to 5 Remotes; or in combinations. Master calls any unit or units separately or collectively. Easy to use—just select station(s) and press the push-to-talk button. High-gain 4-transistor circuit.

Push-pull output for speech clarity; "Thermal Feedback" for high stability. No on-off switch since transistor current drain is only as little as an ordinary electric clock. Transformer-operated for safety. (Remotes require no AC power.) No missed calls—Remote volume cannot be turned below an audible level.

Stations operate up to 100 feet apart. 3¼x8½x5¾″. Oxford Gray and Eggshell White. With all parts and instructions. For 110-130 v., 60 cycle AC. 4 lbs.

83 Y 404-G. *$5 Monthly* **19.95**

83 Y 405-G. Remote Kit. Use up to 5 per Master station. Less cable, below. Shpg. wt., 3 lbs. **7.95**

48 T 061-G. 50-Ft. Spool of Cable. 1½ lbs. **1.79**

48 T 059-G. 100-Ft. Spool of Cable. 3 lbs. **3.26**

There Are Knight-Kit Intercoms For Every Budget

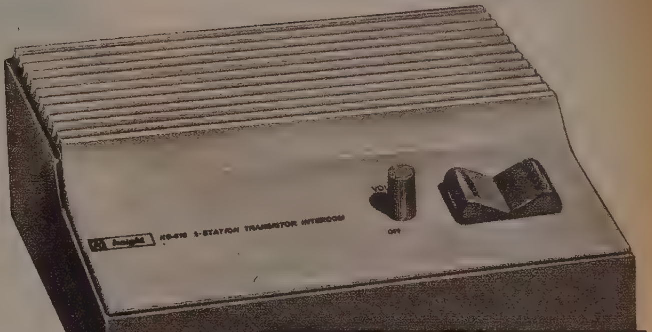
Top Performance at Low-Cost Highlights this Solid-State Intercom

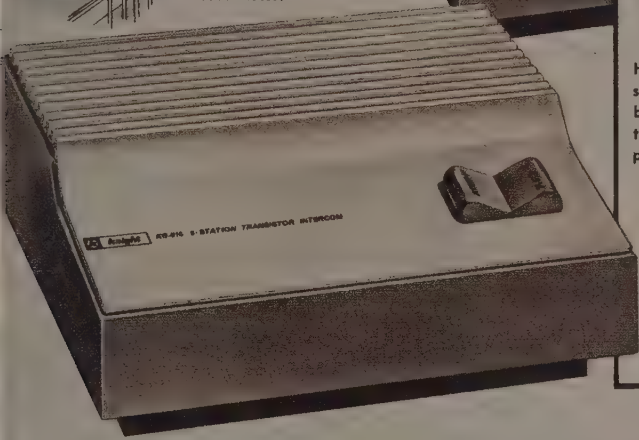
NEW from knight-kit

HOME HELPER: Call the garage, workshop or play-room right from your own kitchen.

OFFICE: Save time and steps—no need to leave desk.

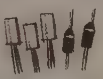
BABY SITTER: Listen in on baby's room from any other room in the house.





DELUXE FEATURES!

Handy rocker switch can be locked in transmit position



Solid-state circuitry uses three transistors and 2 diodes

No missed calls with unique new "never-off" level control

2-Station System

$19.95 $5 monthly

Intercom System Includes 50 Feet of Interconnecting 3-Conductor Cable

KIT BUILDING IS EASY!

Hobbyists and high-fidelity enthusiasts everywhere are experiencing the fun of assembling a Knight-Kit. You can, too—because we make it so easy. Pre-cut wire . . . carded resistors . . . pre-sorted small parts . . . clearly identified components—all contribute to fast, sure assembly. The world's easiest-to-follow instructions, written in simple, non-technical language, guide your every move. Manuals are illustrated with extra-large diagrams and helpful pictorials. And, no expensive special tools are required. Just a pair of long-nose pliers, cutters, a screwdriver and a soldering iron (or gun) are all you ever need to build a Knight-Kit!

KG-210 Solid-State 2-Station Intercom Kit

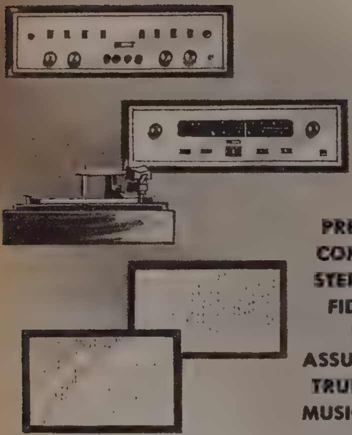
New—all-transistor intercom system for home, shop or office. Gives you top performance at an unbelievably low price. Thanks to an advanced 3-transistor and 2-diode circuit, it's extremely cool running, requiring no special ventilation. Inexpensive to operate—uses just about as little electricity as an ordinary household electric clock. You have minimum hum, noise and microphonics—messages come through clearly.

Can be used with up to 2 additional Remote stations with no drop-off in efficiency. Ultra-modern output circuit design is such that the volume is not lowered when extra Remotes are added. Output impedance is 15-45 ohms; output level, 350 milliwatts. Tops in convenience—only Master plugs into power outlet. Transformer-operated for complete safety.

Styrene cases tastefully styled in beige and cream. Size, 3¼x8¼x5¾". With all parts, detailed instructions, and 50′ cable (extra cable, below). For operation from 110-130 v., 60 cycle AC. Shpg. wt., 7 lbs.

83 Y 306-G.	**Complete 2-Station System.** *$5 Monthly*	**19.95**
83 Y 307-G.	**Extra Remote Kit.** Less cable, below. Wt., 3 lbs.	**6.95**
48 T 061-G.	**50-Ft. Spool of Interconnecting Cable.** 1½ lbs.	**1.79**
48 T 059-G.	**100-Ft. Spool of Interconnecting Cable.** 3 lbs.	**3.26**

ALLIED opens the door for you to *the wonderful world of* stereo high-fidelity



PRESENTING COMPONENT STEREO HIGH FIDELITY . . YOUR ASSURANCE OF TRUE-FIDELITY MUSIC SYSTEMS

What Is a Component System? A versatile music system made-up of *separate* hi-fi units, each of which you choose to meet *your* particular preference in performance, features, looks and price. You can own a stereo phono system that consists of amplifier, record player with cartridge, and two speakers in enclosures. Or if you prefer radio facilities, add a tuner or select a receiver in place of amplifier and tuner. Other units can be added later: tape recorder, extension speakers, and even specially designed furniture cabinets.

Why do Components Provide the Ultimate in Hi-Fi? There are no weak links in component hi-fi. Each part of the system is designed and built by specialists, dedicated to manufacture fine instruments for superior audio reproduction. There's no guessing at what you're buying—the component manufacturer holds nothing back. You are told exactly what each unit will do. Each part of the system is designed for maximum performance to provide *the best sound for the least amount of money!*

You choose components to fit *your* home. They can be selected for compact apartments, spacious homes, big or small rooms. Place them on shelves, tabletops, bookcases, or in cabinets. *You enjoy maximum flexibility with components that match and complement any decor.*

Can Anyone "Connect Up" a System? Yes, there's nothing to it! It's as easy as plugging in a lamp. Components have plug-in and screw connectors—install entire system in minutes.

LET ALLIED HELP YOU SELECT YOUR HI-FI COMPONENT SYSTEM

Choose From the World's Largest Stocks . .

Biggest selection of famous standard-brand components and Allied's own Knight components are presented in this catalog. Knight tuners, amplifiers and receivers are described on pages 86 through 97; and other name-brands on 124-144. Record playing equipment is listed on pages 82-85 and 166-169. Speakers and speaker systems are on pages 108-119 and 153-165. And don't forget to look at Knight's distinctive line of hi-fi furniture on 122 and 123; plus other cabinetry on 174-177. Even custom installation accessories and stereo headphones are available on pages 120, 170-173. *Everything in hi-fi!*

Knight and Knight-Kit Components, Your Best Buys

Allied's own Knight components are honored as the finest hi-fi values anywhere! Created by Allied's own audio experts and made in the U.S.A., these splendid components offer you the best in musical reproduction at prices well below other manufacturers' comparable units. Make it a point to check the Knight hi-fi pages listed above. And, for superior hi-fi components in build-your-own form, Allied brings you a large choice of famous Knight-Kits, described on pages 1 through 23.

Select an Allied-Recommended Music System . .

You'll find many excellent matched systems chosen by our audio experts to meet any price range and requirement. Pay particular attention to Knight systems on pages 98-107 and 151; and do-it-yourself Knight-Kit systems at the beginning of the catalog. If you prefer a system of your own choice, send a list of the components you want to our Audio Division. Our audio consultants will review your system for proper matching of components and send a Special System Quote on the same money-saving basis as an Allied-Selected System. Whatever your needs, you can count on Allied to help you tailor your hi-fi component system to your exact taste and budget.

YOUR ADVANTAGES IN BUYING YOUR HI-FI FROM ALLIED

- ✓ Choose from World's Biggest Selection Stocked for Prompt Shipment to You
- ✓ Lowest, Money-Saving Prices
- ✓ Latest Models . . . Top-Name Brands
- ✓ Convenient Budget Payments—Enjoy Hi-Fi Now—Over 2 Years to Pay
- ✓ Guaranteed Best Performance—by Our Own Quality Control Laboratories
- ✓ Special Quotes . . . Expert Counseling
- ✓ Your Satisfaction Guaranteed

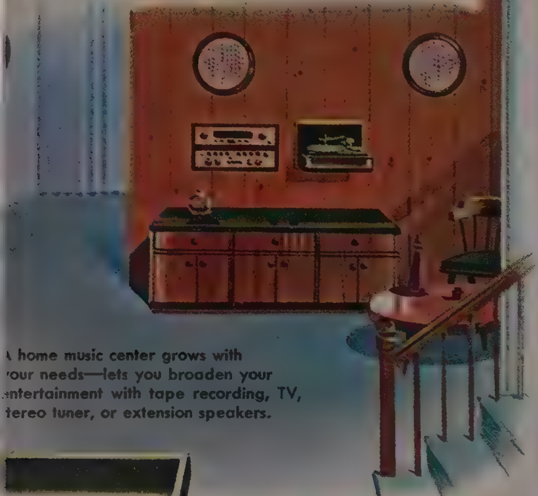
You're Dollars Ahead . . Allied offers lowest prices on all hi-fi components special savings on our matched music systems, and on top-value Knigh and Knight-Kit products.

Rigid Quality Control Inspections . . Everything we sell is checked by ou own experts to assure you of maximum performance and quality.

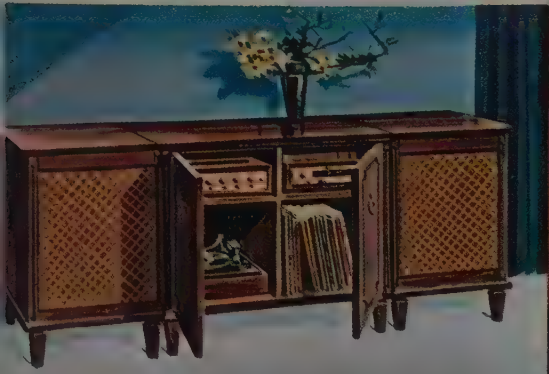
Complete Warranties . . All hi-fi components sold by Allied are covered by standard manufacturers' warranties that we up-hold in every respect Allied also extends a full one-year guarantee on all parts used in any Knigh and Knight-Kit product.

You Must Be Satisfied . . Allied guarantees your complete satisfaction o your money back. We further pledge to save you time and money, to shi speedily and safely from the world's largest stocks.

Hi-fi components are adaptable for beautiful nstallations in paneling or "built-in" music walls



A home music center grows with your needs—lets you broaden your ntertainment with tape recording, TV, tereo tuner, or extension speakers.

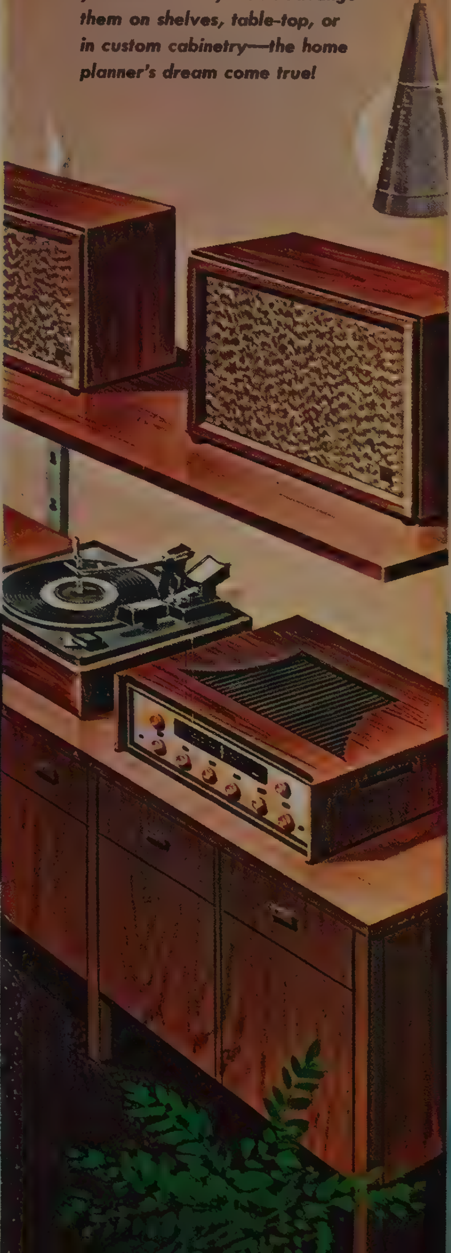


Your stereo music system can be custom installed in a fine urniture ensemble. Allied offers a wide selection of customrafted component cabinets, exquisitely styled to meet your aste and decor. Matching, acoustically designed speaker nclosures can be positioned to provide the best stereo eparation for your particular listening room.

Allied, World Leader in Stereo Hi-Fi

DECORATE YOUR HOME *With Music*

Today's hi-fi components blend tastefully with your decorating scheme . . . Compliment your flair for style . . . Arrange them on shelves, table-top, or in custom cabinetry—the home planner's dream come true!



Garrard

MADE IN GREAT BRITAIN

Entirely New for 1965 . . .

SPECIAL 1¢ SALE

Buy A Garrard Changer And Get Your Choice Of Stereo Cartridge For Only 1c More

Lab 80

Successor To Famous Type A Includes Newly Designed Arm

Type A70 Alone	Type A70 & Cartridge
$84.50	$84.51
$5 monthly	$5 monthly

SAVE UP TO $17.94

In A Class By Itself—New Automatic Turntable With Every Advancement For Magnificent Stereo Record Reproduction

Lab 80 Alone	Lab 80 & Cartridge
$99.50	$99.51
$5 monthly	$5 monthly

SAVE UP TO $17.94

Superb Lab 80—Perfect Combination of Precision 2-Speed Turntable Operation and Automatic Changer Convenience!

A70

New Lab 80 With Choice of Cartridge

Creates a new standard in precision automatic record reproduction. New arm of low-resonance Afromosia wood features calibrated gram scale and counterweighted dynamic balancing for extremely accurate tracking. Exclusive bias compensator cancels out tone arm skating force in grooves. A distinctive feature of the Lab 80 is its integral cueing device—touch the "manual" tab to suspend tone arm directly over the groove desired; then, press the cueing control to gently lower stylus into the groove. Heavy, balanced 12" turntable eliminates wow or rumble; assures constant speed, regardless of voltage variations. Completely isolated 4-pole, shaded motor precludes vibration of arm or turntable. For 33⅓ and 45 rpm. Tab controls select speeds and manual or automatic operation and 7", 10" or 12" record size. With dust-repelling turntable mat. Size, 17x14¾". Requires 5½" above, 3½" below mounting board. With your choice of Shure M7N21D, Empire 880 or Pickering V-15/AT-1 stereo cartridge—**specify**. Less base and 45 rpm automatic spindle (see page 84). For 110-130 v., 60 cycle AC. Wt., 22 lbs.

23 RU 953-2G. Specify Cartridge. *$5 Monthly.* 99.51
73 RU 120-G. Lab 80 Alone **99.50**

New A70 With Choice of Cartridge

Takes over where world-famous Garrard Type A left off. Features entirely new tone arm, bias compensator and other developments that assure a new level of performance. Newly designed stylus pressure adjustment and counterweighted dynamic balancing device give tone arm optimum center of gravity for better-than-ever tracking precision. Bias compensator lets arm track lightest, most compliant cartridges accurately and without distortion. New, ultra-sensitive Dupont "Delrin" trip mechanism makes resistance to tone arm virtually unmeasurable. Pusher-type changer mechanism lowers records gently to turntable. Dynamically balanced, 6-lb. turntable rotates precisely at 16⅔, 33⅓, 45 and 78 rpm, regardless of voltage changes. Fingertip controls select 4 speeds and automatic or manual operation. Size, 16x13¼". Requires 5½" above, 3½" below mounting board. With your choice of Shure M7N21D, Empire 880 or Pickering V-15/AT-1 stereo cartridge—**specify**. Less base and 45-rpm automatic spindle (see page 84). For 110-130 v., 60 cycle AC. Shpg. wt., 20 lbs.

23 RX 955-2G. Specify Cartridge. *$5 Monthly.* 84.51
73 RX 121-G. Type A70 Alone **84.50**

SEE PAGE 84 FOR GARRARD ACCESSORIES

ace-Setting Record Changers by Garrard

Empire
880

Pickering
V-15/AT-1

Shure
M7/N21D

Pick The Stereo Cartridge You Want . . . Pay Only 1c More . . .

SAVE $17.94

New AT60 With Choice of Cartridge

AT60 Alone	AT60 And Cartridge	
$59⁵⁰	$59⁵¹	SAVE $17.94
$5 monthly	$5 monthly	

tstanding Garrard automatic turntable has many features preusly found only in far higher priced record changers. Shielded, ole, shaded motor rotates oversized, dynamically balanced turnle precisely at 4 speeds. Tubular, counterweight adjusted arm n be dynamically balanced. Stylus pressure gauge and self-adting bias compensator for optimum cartridge tracking force. Also s frictionless trip mechanism; automatic intermix; automatic and nual operation. 15⅜x13". With choice of Empire 880, Pickering 15/AT-1 or Shure M7/N21D cartridge—**specify choice when dering.** Less base and 45-rpm automatic spindle (see page 84). For 0-130 volt, 60 cycle AC. Shpg. wt., 13 lbs.

RX 957-2G. Specify Cartridge. *$5 Monthly*.......... 59.51

RX 122-G. AT60 Alone. Shpg. wt., 13 lbs............ **59.50**

New Model 50 With Choice of Cartridge

Model 50 Alone	Model 50 and Cartridge	
$44⁵⁰	$44⁵¹	SAVE $17.94
$5 monthly	$5 monthly	

New feature-packed version of the famous Autoslim/P. Offers appearance and advanced features never before available at such a modest price. Oversized turntable and mat were previously offered only on more costly model. New counterbalanced arm with stylus pressure adjustment tracks at the lightest levels. 4-pole shaded motor rotates accurately at all 4 speeds. Automatic and manual operation; automatic intermix. 13⅞x12"; requires 4½" above and 2⅞" below mounting board. With choice of Empire 880, Pickering V-15/AT-1 or Shure M7/N21D cartridge—**specify choice when ordering.** Less base and 45-rpm automatic spindle (see page 84). For 110-130 v., 60 cycle AC. Shpg. wt., 11 lbs.

23 RX 959-2G. Specify Cartridge. *$5 Monthly*.......... 44.51

73 RX 123-G. Model 50 Alone. Shpg. wt., 11 lbs.......... **44.50**

Bonus Deals Featuring New Elliptical Stylus Cartridges

Why an Elliptical Stylus?

w Empire and Pickering elliptical stylus rtridges represent a break-through in and purity. Elliptical design (.0009" ntal plane gradually tapering to .0002" ntact plane on each side) prevents "botming" in grooves. You no longer hear ackling noises of grit and static dust that is lged in record in groove canyons. Elliptil design also enables needle to trace path original cutting stylus far more faithfully n conventional needles. Reduces distion to minimum. Each regularly sells for .95—take your choice of either cartridge w at Allied's special "Bonus Deal" prices. angers less base and 45-rpm automatic ndle. (See page 84.)

LAB 80 AUTOMATIC TURNTABLE WITH ELLIPTICAL CARTRIDGE. Choice of Pickering V-15/AME-1 or Empire 880PE—**be sure to specify choice when ordering.** Less base. Shpg. wt., 22 lbs.

23 RU 991-2G. *$5 Monthly*... 109.50

TYPE A70 AUTOMATIC TURNTABLE WITH ELLIPTICAL CARTRIDGE. Choice of Pickering V-15/AME-1 or Empire 880PE—**be sure to specify choice when ordering.** Less base. Shpg. wt., 22 lbs.

23 RX 993-2G. *$5 Monthly*.... 94.50

AT60 AUTOMATIC TURNTABLE WITH ELLIPTICAL CARTRIDGE. Choice of Pickering V-15/AME-1 or Empire 880PE—**specify.** Less base. Shpg. wt., 13 lbs.

23 RX 995-2G. *$5 Monthly*.... 69.50

Pickering
V-15/AME-1
Empire
880PE

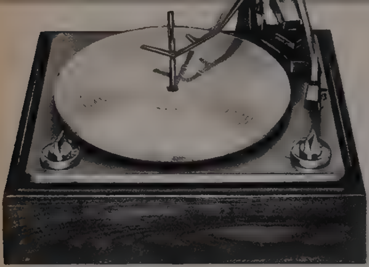
Save $19.95

ON REVOLUTIONARY NEW ELLIPTICAL CARTRIDGES WITH GARRARD CHANGERS

SEE NEXT PAGE FOR GARRARD ACCESSORIES

ALLIED Low-Cost Automatic Record Changers

OUR BEST LOW-PRICED CHANGERS . . . EXCLUSIVE AT ALLIED



NEW!

With Stereo Turnover Cartridge

Low-Mass Pickup Arm

Allied Model 76 4-Speed Automatic Stereo Changer

$29.95 less base

- Heavy-Duty Motor and Oversize Platter for Constant Speed
- Long-Life Jeweled Needles for LP's, 45's and 78's
- Intermixes All Records
- Has Automatic Shut-Off

Built specially for us, designed to give many years of good performance at a surprising low price. A welcome addition to any economy stereo music system or for up-grading older phonographs. Balanced heavy-duty motor rotates oversized platter accurately at all 4 speeds. Floating-spring-mounting ends wow and rumble problems. Lightweight pickup arm with wide-range ceramic stereo cartridge has pressure adjustment. Intermixes all size records of the same speed; shuts-off automatically. Smartly styled in bronze and chrome. 13⅝x12". Requires 2½" below, 4⅝" above mounting board. With turntable cushion, audio cables. Less base, accessories below. For 105-120 v., 60 cycle AC. Made in U.S.A. 12 lbs.
95 DX 613-G. *$5 Monthly*.. 29.95

Allied Changer Accessories

(A) MOUNTING BOARD. Pre-cut for both Allied Changers.
95 DX 609-G. Shpg. wt., 2 lbs. **1.50**

(B) 45-RPM AUTO. SPINDLE.
95 D 612-G. Shpg. wt., 10 oz. **1.69**

WOOD BASE. Walnut; Mahog.; Oak. *Specify finish.* 5 lbs.
95 DX 610C-D..............**3.95**

With Stereo Cartridge

Allied Lowest-Cost Stereo Changer

$19.95 less base

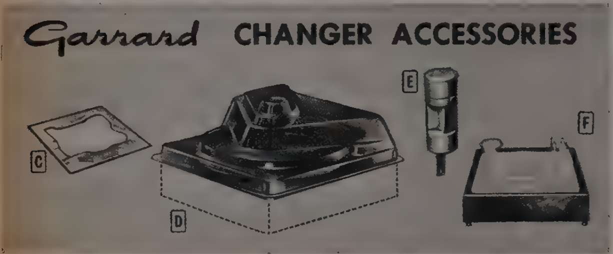
- Automatic—All 4-Speeds
- Smooth-Action Changer
- Lightweight Pickup Arm
- Dual Sapphire Needles
- Has Automatic Shut-Off

Low-cost 4-speed record changer made in U.S.A., exclusively for Allied. Brings you the best dollar value at a money-saving price. Just the thing for budget-priced stereo music systems or as an inexpensive replacement in older hi-fi sets.

Features a heavy turntable driven by a balanced 2-pole motor for constant speed. Smooth-action changer mechanism and lightweight pickup arm handle your records with quiet gentleness. Intermixes all size records of the same speed. Shuts-off automatically after last record has played.

Ceramic stereo turnover cartridge has sapphire needles. Styled in bronze and chrome to match any setting. 13⅝x12". Needs 2½" below. 4⅝" above mounting board. Complete with line cord and audio cables; less base and accessories at left. For 105-120 v., 60 cycle AC. Shpg. wt., 12 lbs.
95 DX 611-G. *$5 Monthly*............ 19.95

Garrard CHANGER ACCESSORIES



Unfinished Mounting Boards

[C] Precut and drilled for custom installation of Garrard changers. Av. shpg. wt., 2½ lbs.

73 RX 128-G. For Lab 80........**2.25**
73 RX059-G. For Type "A", A70 **1.50**
73 RX 060-G. For AT60, Model 50, and Autoslim Series.............**1.50**

Molded Vinyl Dust Covers

[D] Transparent cover slips over changer. Protects changer by keeping it free from dust and lint. 1½ lbs.

73 RX130-G. Fits AT60, Model 50. **4.95**
73 RX 129-G. Fits Lab 80, A70. **4.95**

45-rpm Spindle Adapters

[E] For *automatic* playing of large-center-hole 45's. Av. wt., 10 oz.

73 R 083-G. For A70, Type "A". **3.80**
73 R 127-G. For AT60, Model 50 **3.80**
73 R 126-G. For Lab 80.........**3.80**
73 R 084-G. For AT6...........**3.80**
73 R 085-G. For Autoslim Series. **3.80**

Extra Plug-in Heads

For standard cartridges. (Not illus.) 6 oz.

73 R 111-G. For Lab 80, A70...**2.50**
73 R 112-G. For AT60, Model 50 **1.75**
73 R 081-G. For AT6, Autoslim. **1.75**
73 R 080-G. For Type "A".....**1.75**

Oiled Walnut Wood Changer Bases

[F] Handsome wood bases. Ideal for shelf and table-top use. Recessed top provides attractive flush-mounting of changer. Shpg. wt., 5½ lbs.

73 RX 125-G. For Lab 80......**4.90**
73 RX 056-G. For A70, Type "A". **3.90**
73 RX 057-G. For AT60, Model 50, AT6 and Autoslim Series.......**3.90**

WEBCOR

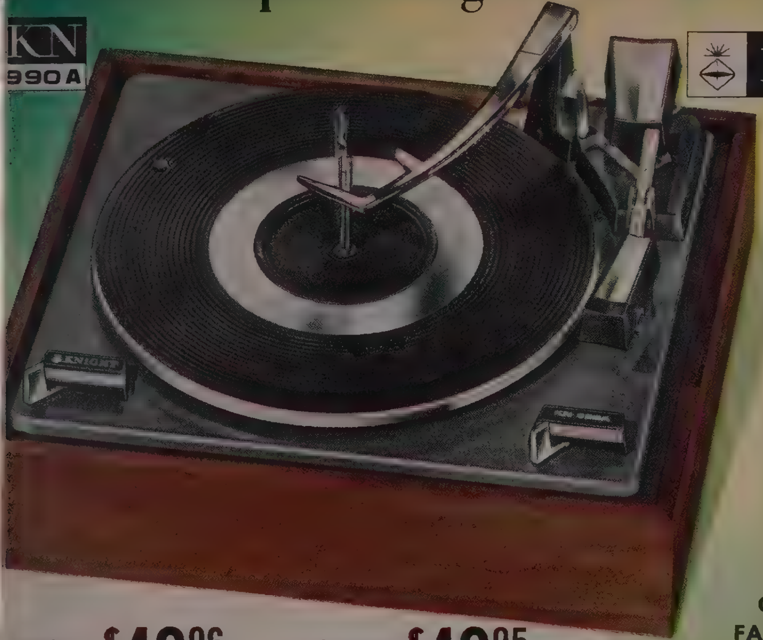
- Includes Stereo Cartridge
- Plays All 4 Speeds
- Shuts Off Automatically

Model 1041-50 Stereo Changer

Smooth-playing "Diskchanger" for 16⅔ . 33⅓, 4 and 78-rpm records. Includes wide-response, ceramic turnover stereo cartridge with sapphire needles. Features: 2-pole motor; extra-long turntabl bearings; rumble-reducing "rumble ribs"; automatic shut-off; 8" turntable. Intermixes 78 rpm 10" and 12" records; 7" and 12" records of same speed Adjustable stylus pressure. Stylish beige and brown 14¹¹⁄₁₆x13½"; 5½" above, 4" below mounting board With two 36" cables. Less base, below. For 110-120 v., 60 cycle AC. Shpg. wt., 13 lbs.
73 RX 072-G. *$5 Monthly*............. 27.39

MODEL 1041-51 "DISKCHANGER." As above, bu has .0007" long-lasting diamond needle and .003" sapphire needle. Shpg. wt., 13 lbs.
73 RX 073-G. *$5 Monthly*........... 30.83
73 RX 074-G. Base. Brown metal. Wt., 6 lbs. **5.68**
73 RX 075-G. Unfinished Mounting Board. Precu 15¾x13¼x½". Shpg. wt., 2½ lbs.......... **1.96**
73 R 078-G. 45-rpm Spindle Adapter. 8 oz. **2.94**

KN-990A 4-Speed Changer . . the Best for Less



KNIGHT

STEREO HI-FI
RECORD
CHANGER

Low Rumble and Wow Meet or Surpass Specs of Changers at $10 to $20 More!

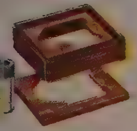
" . . . *smooth, quiet, and reliable*"—ELECTRONICS WORLD, *July '64*

With artridge $49.96 $5 monthly **Changer Alone $49.95** $5 monthly

Convenience of A Changer—Precision of A Turntable

he improved KN-990A is Knight's answer to the need for a moderate-riced record player that combines the advantages of both a turntable nd an automatic changer. Its high-torque 4-pole motor drives the versize 11" table at exact speeds of 16⅔, 33⅓, 45 and 78 rpm. ightweight professional-type tubular pickup arm, tracks with preision accuracy. Arm has an integral needle-pressure and balance auge calibrated from 0 to 5 grams. New lever-action gives you greater onvenience in operation (automatic or manual) and speed selection. hanger shuts off automatically after last record plays. Provision for anual playing. Soft-rubber turntable mat protects your records. ttractive low silhouette styling. Trimmed in brushed chrome. Only 4x12". Requires 3½" below and 5" above mounting board. With ounting template and audio cables. Base optional, below. For 110-20 v., 60 cycle AC. Made in U.S.A. Shpg. wt., 13 lbs.

3 DX 950-2G. KN-990A and Choice of Cartridge—specify. 49.96
3 DX 951-2G. KN-990A and M99/KN Floating-Head Cartridge. . . . 59.95
5 DX 458-G. KN-990A Changer Alone. 49.95



WALNUT WOOD BASE. For KN-990A. 6 lbs.
95 DX 457-G. 3.95

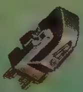
UNFINISHED MOUNTING BOARD. 2 lbs.
95 DX 470-G. 1.50

45-RPM AUTOMATIC SPINDLE. 10 oz.
95 R 462-G. 1.69

CHOICE OF FOUR FAMOUS CARTRIDGES

only 1¢ more

Empire
880



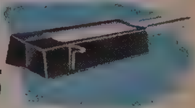
Shure
M7N21D

Pickering
V15AT-1

Electro-Voice
149D Ceramic

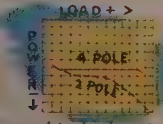
BONUS OFFER!

Save $14.75

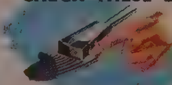


Buy the Knight KN-990A, and get the Shure M99/KN Floating-Head Stereo Cartridge for only $10

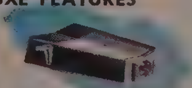
CHECK THESE DELUXE FEATURES



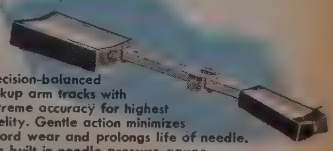
eavy-duty 4-pole motor rives oversize 11" turnable at constant speed.



Provision for manual playing . . . disengages the automatic changer mechanism.



Plug-in head detaches easily . . . accepts most magnetic or ceramic cartridges.



Precision-balanced pickup arm tracks with extreme accuracy for highest fidelity. Gentle action minimizes record wear and prolongs life of needle. Has built-in needle-pressure gauge, calibrated for adjustments from 0 to 5 grams.

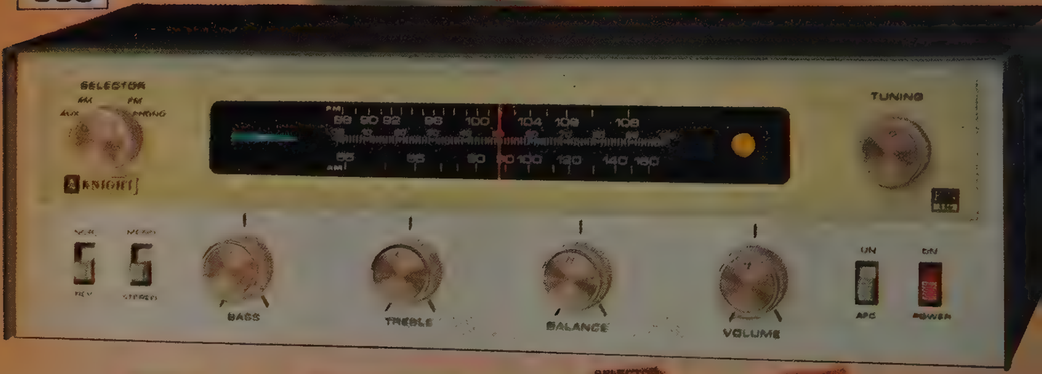
he KN-990A Is Warranted for One Full Year

KNIGHT

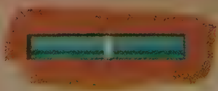
STEREO HI-FI
ELECTRONICS

New Stereo FM-AM Receivers

KN
330


SELECTOR
AM
FM
AUX
PHONO
KNIGHT
TUNING
BASS
TREBLE
BALANCE
VOLUME
ON
ON
AFC
POWER

Panel Light Flashes, Unit Automatically Switches to Multiplex



Bar-Type "Magic Eye" Shows You When You're Exactly "On Station"

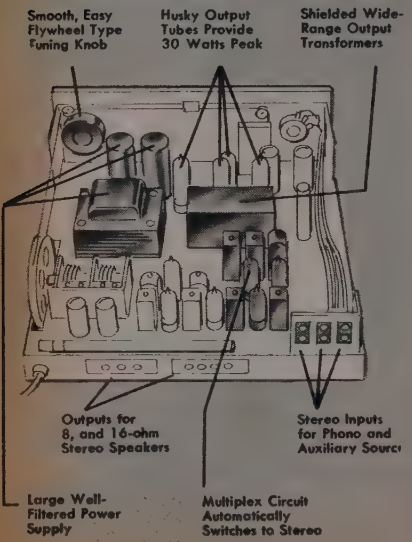
SELECTOR
AM
FM
AUX
PHONO

Function Selector Chooses FM, AM, Phono and Auxiliary Stereo Music Sources

Automatic Frequency Control Positively Eliminates Drift On the FM Band

New Lowest-Cost Knight KN-330 Stereo Receiver

DELUXE CIRCUIT FEATURES:


Smooth, Easy Flywheel Type Tuning Knob
Husky Output Tubes Provide 30 Watts Peak
Shielded Wide-Range Output Transformers
Outputs for 8, and 16-ohm Stereo Speakers
Stereo Inputs for Phono and Auxiliary Sourc
Large Well-Filtered Power Supply
Multiplex Circuit Automatically Switches to Stereo

$159.95 less case

$8 monthly

- Never-Before Deluxe Features at This Low Price
- Automatically Switches to Receive Stereo FM
- Has Full Array of Controls and Stereo Inputs
- Excellent Response for Pleasurable Listening
- 30 Watts Peak Audio Power; 15 Watts IHF

Combines a sensitive stereo FM-AM tuner and a 30-watt peak stereo amplifier with controls and inputs. Multiplex circuit automatically switches on and indicator lights when FM "Stereocast" begins. FM section has 2 IF, limiter, AFC and ratio detector for distortionless sound. Sensitive AM section has ferrite-rod antenna. Flywheel-weighted knob and bar-type "magic eye" indicator make tuning easy. Amplifier section has bass and treble controls, balance control for optimum stereo. Function selector chooses all inputs and modes. White front panel has brushed gold overlay. 4⅝x14½x13½". Less cases, below. For operation from 110-125 v., 60 cycle AC. Shpg. wt., 25 lbs.

95 DU 060-G. *$8 Monthly*	**159.95**
95 DX 059-G. Walnut Wood Case. Shpg. wt., 8 lbs.	**16.95**
95 DX 093-G Brown Metal Case. Shpg. wt., 7 lbs.	**7.95**

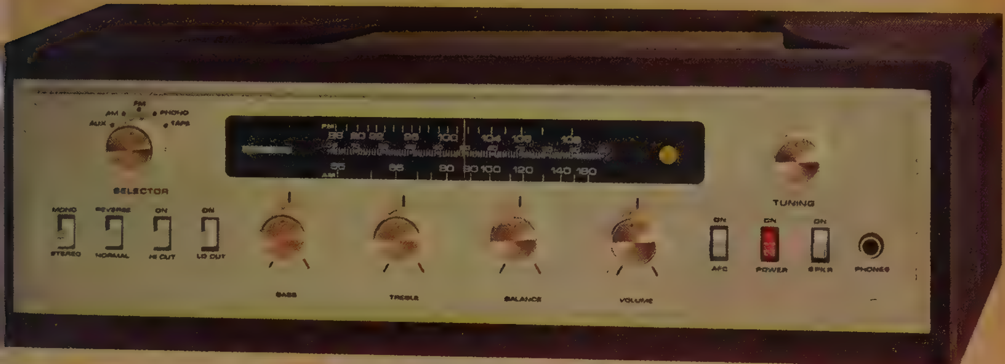
SPECIFICATIONS

Sensitivity: FM, 2 μv for 20 db quieting; AM, 10 μv for 20 db S/N.
IF Bandwidth: FM, 280 kc; AM, 10 kc at 6 db down on curve.
Power Output: 30 watts peak; 15 watts IHF, 7½ watts per channel.
Overall Frequency Response: ±1 db, 100-12,000 cps.
Hum and Noise: —52 db, Mag. phono input; —65 db, Aux.
Outputs: 8 or 16 ohms per channel.
Channel Separation: 30 db or better.
Custom Mounting: Front panel, 14½x4¼".

KNIGHT

ALL-IN-ONE STEREO MULTIPLEX FM-AM TUNER/AMPLIFIER EXCEPTIONAL VERSATILITY PLUS 45 WATTS OF AUDIO POWER

KN
345


FM
AM
AUX
PHONO
TAPE
SELECTOR
MONO
STEREO
REVERSE
NORMAL
ON
HI CUT
ON
LO CUT
BASS
TREBLE
BALANCE
VOLUME
TUNING
ON
AFC
ON
POWER
ON
SPKR
PHONES

tereo Headphone Jack
or Private Listening
Vith or Without Speakers

Single Function Switch
Controls Selection of
All Inputs and Modes

Stereo Inputs Are Provided for Phono, Tape
Head and Auxiliary

Outputs Are Provided
for Stereo Speakers
and Tape Recorder

New Knight KN-345 Deluxe 45-Watt Stereo Receiver

$199.95 less case

$10 monthly

- Outperforms Many Receivers Costing Much More
- Automatically Switches to Receive Stereo FM
- Plenty of Reserve Power for Undistorted Sound
- Dual FM IF stages with AFC and limiters
- Stereo Headphone Jack for Private Listening

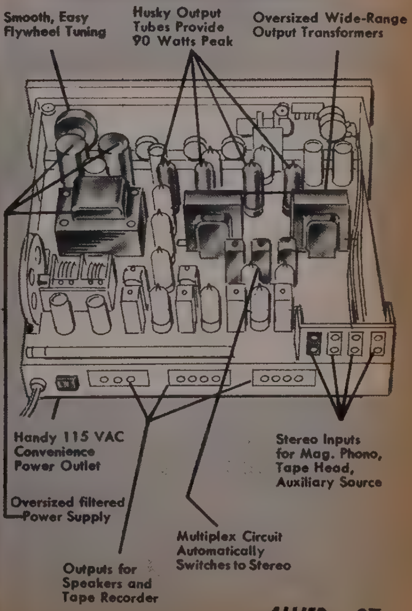
Combining extraordinary performance and economy, this new all-n-one receiver offers FM multiplex circuitry that automatically witches on and lights indicator when FM "Stereocast" begins. FM ection also has dual IF stages, limiter, AFC and ratio detector for op sound. Wideband AM section has sensitive ferrite-rod antenna. Amplifier section offers husky 45-watt output for plenty of reserve ower; ganged bass and treble controls; balance control for optinum stereo; tape recorder outputs; stereo headphone jack. Funcion switch chooses all inputs or tuner. Handsome styling features white and gold front panel. Size, 4½x16⅜x15½". Less case, below. For 110-125 v., 60 cycle AC. 30 lbs.

5 DU 061-G. *$10 Monthly* **199.95**
5 DX 062-G. Walnut Wood Case. Shpg. wt., 9 lbs. **19.95**
5 DX 063-G. Brown Metal Case. Shpg. wt., 8 lbs. **8.95**

SPECIFICATIONS

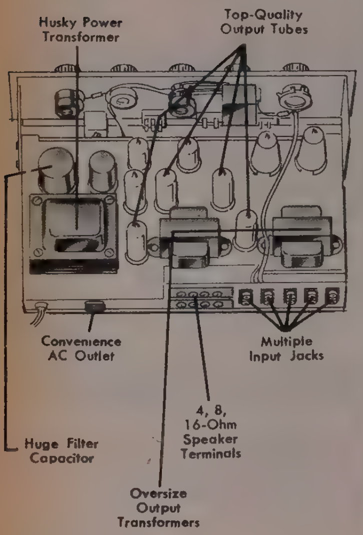
Sensitivity: FM, 2 μv for 20 db quieting; AM, 10 μv for 20 db S/N.
IF Bandwidth: FM, 285 kc; AM, 10 kc at 6 db down on curve.
Power Output: 90 watts peak; 45 watts IHF, 22½ watts per channel.
Overall Frequency Response: ±1 db, 30-18,000 cps.
Hum and Noise: –55 db, Mag. phono input; –72 db, Aux.
Inputs: Mag. phono; Aux. or Ceramic; Tape Head.
Stereo Outputs: 4, 8, 16 ohms; hi-z recorder, lo-z stereo headphones.
Channel Separation: 30 db or better.
Custom Mounting: Front panel size, 16⅜x4³⁄₁₆".

DELUXE CIRCUIT FEATURES:


Smooth, Easy Flywheel Tuning
Husky Output Tubes Provide 90 Watts Peak
Oversized Wide-Range Output Transformers
Handy 115 VAC Convenience Power Outlet
Oversized filtered Power Supply
Outputs for Speakers and Tape Recorder
Multiplex Circuit Automatically Switches to Stereo
Stereo Inputs for Mag. Phono, Tape Head, Auxiliary Source

KNIGHT

STEREO HI-FI ELECTRONICS



New KN-928 Stereo Amplifier

OFFERS BIG 56 WATTS OF PEAK STEREO POWER

- Wide-Range Response—30-16,000 cps
- 56 Watts Peak, 28 Watts IHF Output
- High-Impedance Tape Recorder Outputs
- Front-Panel Stereo Headphone Jack

$54.95 less case

$5 monthly

Unquestionably the finest-sounding stereo amplifier in its price range, the new KN-928 offers a wealth of features that you'd expect to find only in amplifiers that cost much more. Heartily recommended for dollar-stretching stereo home music systems.

A single control chooses inputs for the primary sources of stereo sound—magnetic phono, tuner, auxiliary for tape recorder, ceramic phono or other sources. By simply flicking a switch, you go from 28 watt-per-channel peak stereo output to 56-watt peak monophonic operation. Separate bass and treble controls let you adjust tone of both channels simultaneously to suit your personal listening taste and room acoustics. A single control makes channel balancing easy—even if speakers cannot be positioned for optimum stereo. A jack on the front panel accommodates stereo headphones and a switch silences speakers for private listening.

Oversize output transformers combined with four husky 6BQ5 power pentode tubes in twin push-pull output circuits give you plenty of undistorted power to drive most speakers to full listening levels. A pair of high-impedance outputs let you make stereo tape recordings independently of amplifier's volume and tone controls. Convenience outlet on the rear panel provides AC power for turntable, record changer or tuner—controlled by amplifier on/off switch. White and brushed brass panel. 13½x5x11½", perfectly matches KN-245A Tuner, page 90. Less case, below. For 110-125 v., 50-60 cycle AC. 10 lbs. Made in U.S.A.

95 DU 045-G. *$5 Monthly*	**54.95**
95 DX 024-G. Walnut Wood Case. Shpg. wt., 8 lbs.	**12.95**
95 DX 049-G. Brown Metal Case. Shpg. wt., 5 lbs.	**5.95**

KN-928 SPECIFICATIONS

Power Output: 56 watts peak power; 28 watts IHF, 12 watts per channel sine wave power.

Frequency Response: ±1 db, 30-16,000 cps at rated power.

Harmonic Distortion: Less than 2% at rated power.

Hum and Noise: 70 db below full output, tuner and aux inputs; 50 db below full output, magnetic phono input.

Outputs: 4, 8, 16 ohms per channel; two hi-Z for recording.

Inputs: Four pairs—Magnetic Phono; Ceramic or Crystal Phono; Tuner; Auxiliary.

Input Sensitivity: Mag. Phono, 4.0 mv; Ceramic Phono, 0.24 v; Tuner, 0.60 v; Auxiliary, 0.60 v.

Tubes: 4—12AX7A; 4—6BQ5; 1—6CA4.

Controls: Bass; Treble; Balance; Volume; Input (Phono, Tuner, Aux); Stereo-Mono, Speaker-Off, Power switches.

SPECIFICATIONS

Power Output: 30 watts peak; 7½ watts per channel IHF.

Frequency Response: ±1 db, 100-10,000 cps at rated output.

Hum and Noise:—65 db.

Inputs: Tuner and Ceramic or crystal phono.

Outputs: 8, 16 ohms per channel to speakers.

Input Sensitivity: 0.35 v.

Controls: Volume, Balance, Bass, Treble, Phono-Tuner, Stereo-Mono, On-Off.

Distortion: 2½%.

Tubes: 1—12AX7; 2—6BQ5; 1—6CA4 rectifier.

New KN-918 30-Watt Peak Stereo Amplifier

- 30 Watts Peak, 15 Watts IHFM Output
- Our Lowest-Priced Stereo Amplifier
- Has Inputs for Stereo Phono and Tuner
- Separate Bass and Treble Controls

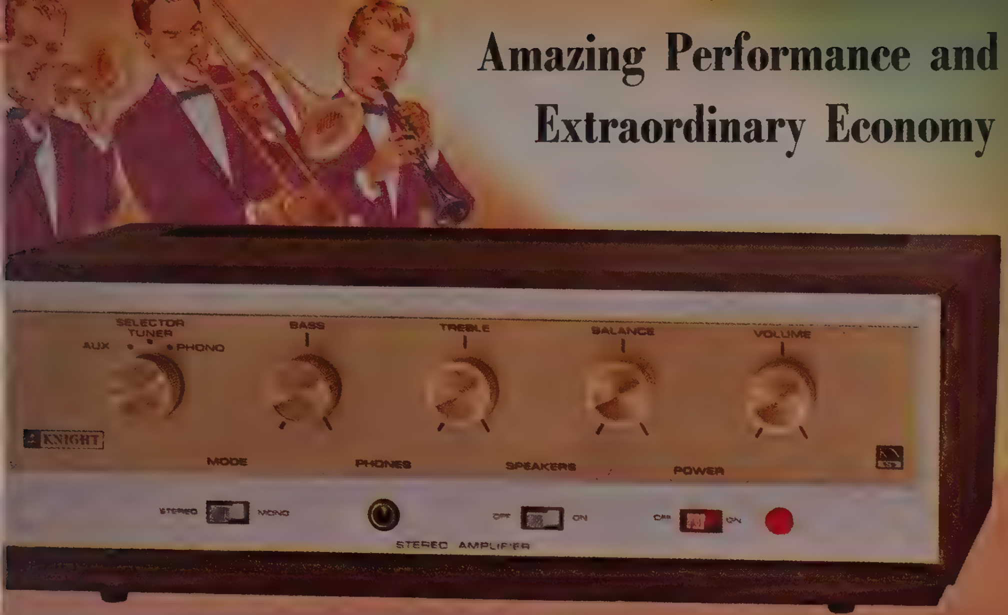
$39.95 with case

$5 monthly

Sells for less than you'd expect to pay for just a monophonic amplifier. Wide frequency response is impressively smooth throughout its range of 100 to 10,000 cps—way beyond range of average packaged hi-fi. Bass is extremely natural, highs are crisp and clear. Inputs are provided for both stereo tuner and ceramic or crystal phono cartridge—a handy slide switch selects desired music source. Another slide switch provides instant choice of stereo or monophonic operation. True bass and treble controls let you adjust tone of both channels simultaneously to suit your listening taste. Ganged volume control lets you vary loudness of both channels at once. Balance control lets you adjust sound for best stereo effect from any listening point, with any speakers. Has pilot light. Size, 4¾x10$\frac{1}{16}$x7¾" Includes handsome brown metal case. Striking brass finish control panel. For 110-120 v., 50-60 cycle AC. 15 lbs. Made in U.S.A.

95 DX 033-G. *$5 Monthly*	**39.95**

Amazing Performance and Extraordinary Economy


SELECTOR
TUNER
AUX
PHONO
BASS
TREBLE
BALANCE
VOLUME
KNIGHT
MODE
PHONES
SPEAKERS
POWER
STEREO
MONO
OFF
ON
OFF
ON
STEREO AMPLIFIER

KN-245A Stereo FM-AM Tuner

Sensitive tuner brings you the thrilling realistic sound of stereo multiplex FM broadcasts, plus regular FM and AM programming. Perfectly matches the KN-928, in size and appearance; also similar to the KN-918, below. See page 90.

KN 928

DELUXE FEATURES

Convenience AC Outlet

Balance Control Lets You Adjust Stereo Effect

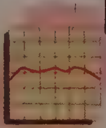
Ganged Bass and Treble Controls

Panel Jack for Stereo Headphones

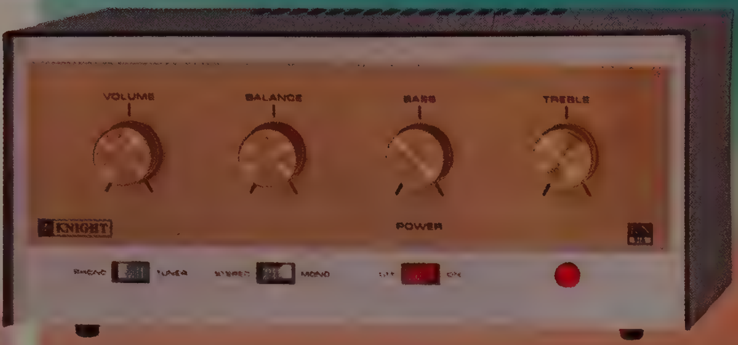
DELUXE FEATURES

Balance Control for Best Stereo

8- or 16-ohm Stereo Output Connections



Wide, Smooth Response for Natural Bass and Treble

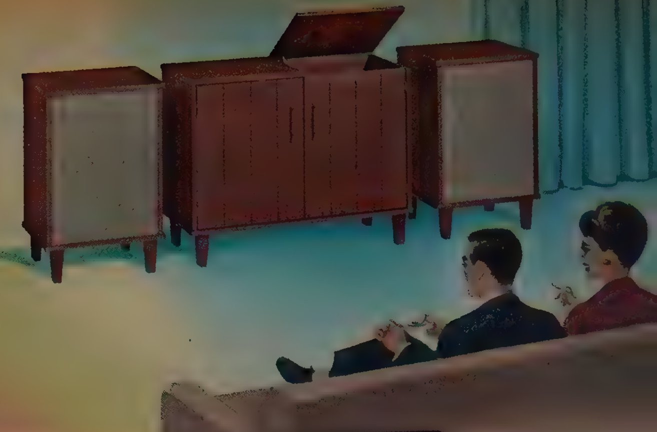

VOLUME
BALANCE
BASS
TREBLE
KNIGHT
POWER
PHONO
TUNER
STEREO
MONO
OFF
ON

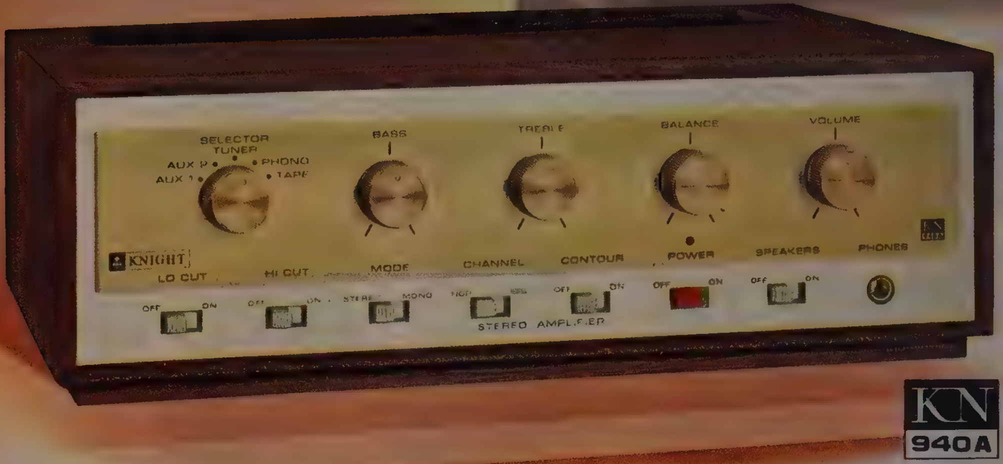
KN 918

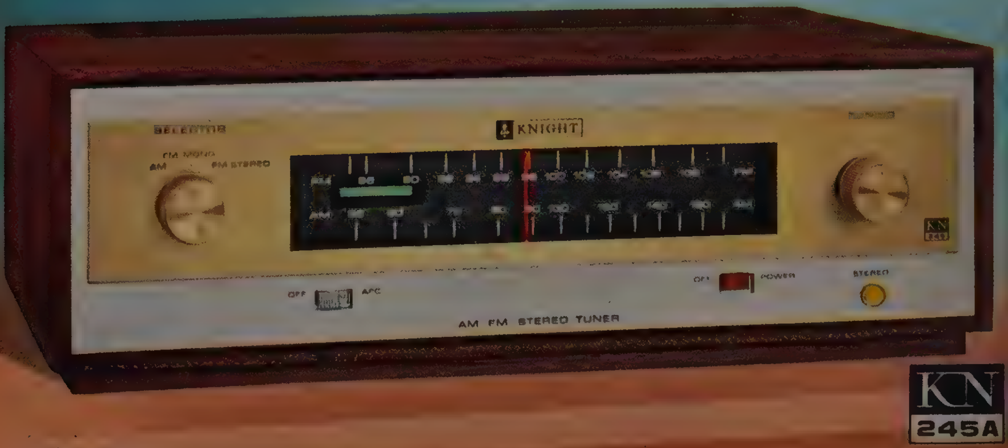
KNIGHT

STEREO HI-FI ELECTRONICS

Shown at right are the Knight KN-1510 Oiled Walnut Equipment Cabinet and KN-1511 Speaker Enclosures (see page 122). Place the KN-940A and KN-245A in the cabinet, add speakers and record changer. Your system will outperform all-in-one console units costing up to twice as much!




SELECTOR
TUNER
AUX 2
AUX 1
PHONO
TAPE
BASS
TREBLE
BALANCE
VOLUME
KNIGHT
LO CUT
HI CUT
MODE
CHANNEL
CONTOUR
POWER
SPEAKERS
PHONES
OFF
ON
STEREO
MONO
STEREO AMPLIFIER
KN
940A


SELECTOR
FM MONO
AM
FM STEREO
KNIGHT
TUNING
OFF
AFC
POWER
STEREO
AM FM STEREO TUNER
KN
245A

Top-Value Stereo Amplifier

NEW KN-940A HAS 44 WATTS OF IHF STEREO POWER

$89 95 less case

$5 monthly

- Outperforms All Others in Its Price Class
- Clear Sound That's a Pleasure to Hear
- 88 Watts Peak; 44 Watts IHF Power Output
- Wide Array of Controls for Top Flexibility
- Stereo Recorder Outputs; Headphone Jack

Outperforms all others in its price class by a wide margin. Husky 88-watt peak output means solid bass, clean mid-range, sparkling treble—even with low-efficiency speaker systems. Low and hi-cut filters eliminate noisy turntable rumble and record scratches. High-impedance recorder outputs let you make stereo tapes from tuner or records—unaffected by amplifier's tone and volume controls. Dual channel bass and treble controls simultaneously adjust tone of both speakers. A slide switch lets you go from 44 watts-per-channel peak stereo output to full 88 watts peak monophonic operation. Balance control adjusts channels for perfect stereo—from any listening point, with any speakers. AC outlets on rear panel power changer, tuner, others—one controlled by amplifier on-off switch. Selector switch chooses tape head, phono, tuner or two auxiliary stereo sources. Stereo headphone jack and speaker on-off switch for private listening; stereo reverse switch, contour switch; pilot light. 13$\frac{7}{16}$x4$\frac{1}{2}$x11$\frac{3}{8}$″. White front, brushed gold overlay. Less case, select metal or wood case listed below. For 110-125 v. AC. Shpg. wt., 20 lbs. Made in U.S.A.

95 DU 047-G. *$5 Monthly*.......................................**89.95**

CASES FOR KN-940A AMPLIFIER

95 DX 049-G. Brown Metal Case. Shpg. wt., 5 lbs......................**5.95**

95 DX 024-G. Walnut Wood Case. Shpg. wt., 6 lbs....................**12.95**

KN-940A SPECIFICATIONS

Output Power: 88 watts peak; 44 watts IHF, 22 watts per channel; 36 watts sine wave.

Frequency Response: ±1 db, 30-18,000 cps at rated output.

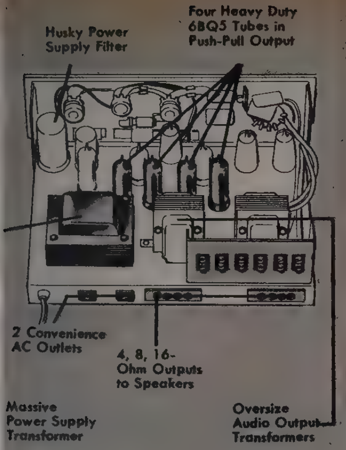
Hum and Noise: −72 db, tuner input; −55 db, mag. phono input.

Harmonic Distortion: 1.5% at rated output power.

Inputs: (5 pairs) Tape Head, Tuner, Magnetic Phono, Auxiliary 1 (Ceramic Phono) and Auxiliary 2 (high-level tape recorder, etc.).

Outputs: 4, 8, 16 ohms per channel; 2—hi-z to recorder; lo-z stereo headphone jack.

Tube Complement: five 12AX7A; four 6BQ5, one 6CA4 rectifier.


Husky Power Supply Filter
Four Heavy Duty 6BQ5 Tubes in Push-Pull Output
2 Convenience AC Outlets
4, 8, 16-Ohm Outputs to Speakers
Massive Power Supply Transformer
Oversize Audio Output Transformers

DELUXE FEATURES

Stereo Headphone Jack on Front Panel Lets You Listen to Music in Complete Privacy with Stereo Phones.

Separate Bass and Treble Controls Simultaneously Adjust Tone of Both Channels to Your Taste

2 Convenience AC Outlets on Rear Panel Power Changer, Tuner, Tape Recorder. One Works with Amplifier On-Off Switch.

KN-245A Deluxe Stereo FM-AM Tuner

$99 95 less case

$5 monthly

- Brings You Beautiful Stereo Multiplex FM
- Brings Regular FM and AM Programs
- Stereo Indicator Light, Tuning Eye
- AFC, Ratio Detector, 2 IFs, Limiter

Unbeatable for deluxe features at a low price. Companion for KN-940A or KN-928 amplifiers brings you full-fidelity stereo multiplex FM plus convenional FM and AM broadcasts. Stereo indicator lights when you tune to FM "Stereocast." Newly developed multiplex demodulator assures flawless recepion of both stereo and monophonic FM broadcasts. AFC circuit eliminates FM drifting, limiter circuit blocks out static. Flywheel-weighted knob, edgeighted slide-rule dial, and magic eye indicator help you to readily pinpoint stations. Sensitive AM circuit includes built-in ferrite-rod antenna. Size, 3$\frac{7}{16}$x4$\frac{1}{2}$x11$\frac{1}{4}$″. Less case, below. For operation from 110-125 v. 50-60 cycle AC. Shpg. wt., 12 lbs. Made in U.S.A.

95 DU 018-G. *$5 Monthly*.......................................**99.95**

95 DX 024-G. Walnut Wood Case. Shpg. wt., 6 lbs....................**12.95**

95 DX 049-G. Brown Metal Case. Shpg. wt., 5 lbs......................**5.95**

KN-245A SPECIFICATIONS

Sensitivity: FM, 2 µv.; AM, 10 µv.

FM Response: ±1 db, 20-20,000 cps.

Bandwidth: FM, 280 Kc; AM, 10 Kc.

Channel Separation: Over 30 db.

Harmonic Distortion: below 1.0%.

Hum and Noise: −55 db.

Tubes: 3—12AT7 3—6AU6, 6BE6, 6X4, 12AX7A, 6FG6, 7 diodes.

DELUXE FEATURES

RAZOR-SHARP TUNING

Magic Eye Tuning Indicator Helps You Pinpoint FM and AM Stations

ROCK-LIKE STABILITY

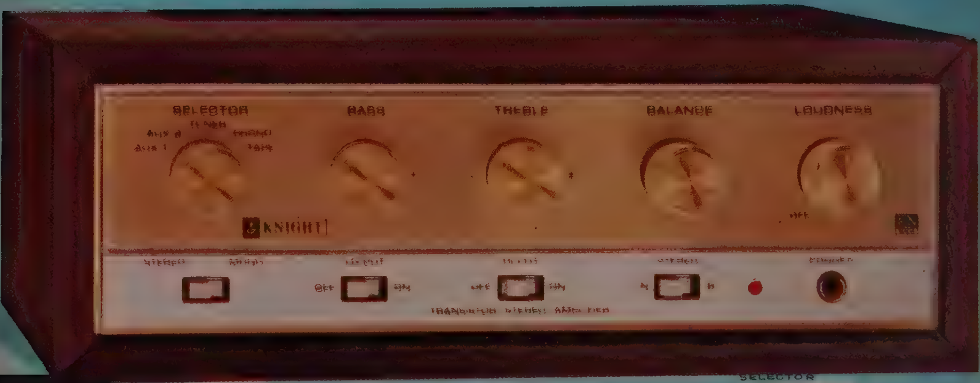
Automatic Frequency Control Circuit Stops FM Drifting

AUTOMATIC IDENTIFICATION

Stereo Indicator Light Shows You When A Multiplex Program Is Being Received

KNIGHT

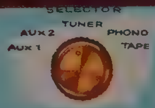
Broader Dimensions in Your


SELECTOR
TUNER
AUX 2
PHONO
AUX 1
TAPE
BASS
TREBLE
BALANCE
LOUDNESS
KNIGHT
OFF
ON
TRANSISTOR STEREO AMPLIFIER

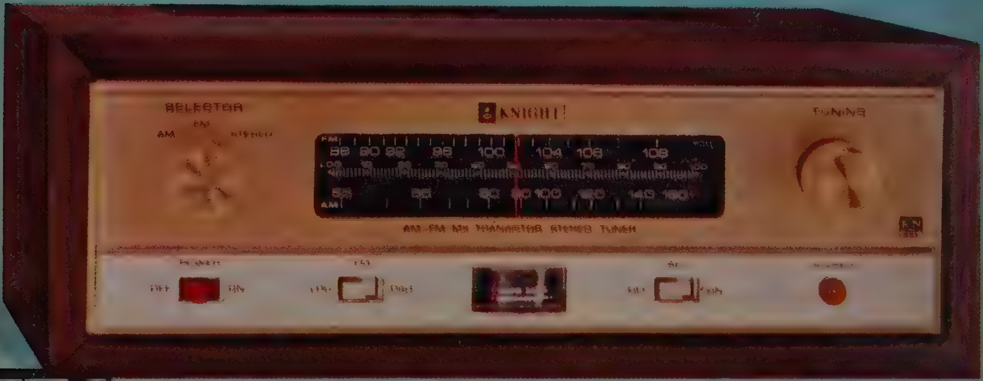
KN 950A

All-Transistor Circuit

Stereo Headphone Jack


SELECTOR
TUNER
AUX 2
PHONO
AUX 1
TAPE

Program-Source Selector


SELECTOR
FM
AM
STEREO
KNIGHT
TUNING
FM
88
90
92
96
100
104
108
AM
55
80
100
140
160
AM-FM MX TRANSISTOR STEREO TUNER
OFF
ON

KN 255A

Stereo Indicator Light

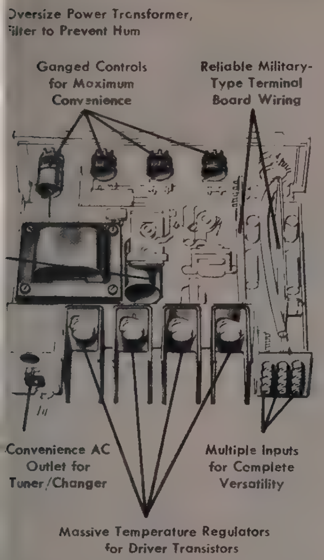
AFC On-Off Switch

Precision Tuning Meter

See Pages 122, 123, 174-177 for
Custom Hi-Fi Cabinetry to Match Your Decor

World of Music with New Solid-State Hi-Fi

Most Advanced Amplifier Design


Oversize Power Transformer, Filter to Prevent Hum
Ganged Controls for Maximum Convenience
Reliable Military-Type Terminal Board Wiring
Convenience AC Outlet for Tuner/Changer
Multiple Inputs for Complete Versatility
Massive Temperature Regulators for Driver Transistors

The KN-950A, improved version of our famous KN-950, brings you "plus" features that add up to greater listening pleasure. Reproduces full audio spectrum. Fully tested in lab and field . . your assurance of reliable service.

New KN-950A All-Transistor 50-Watt Stereo Amplifier with Years-Ahead Design

KN
950A

- Stunning Realism—Music Actually Sounds "Live"
- No Tubes or Output Transformers to Limit Response
- Best Value—Luxurious Styling, Reliable Operation
- Instant Music—No Warm-Up
- Full Array of Controls
- Runs Extremely Cool
- Extra-Rugged Construction

$119 95 less case
$6 monthly

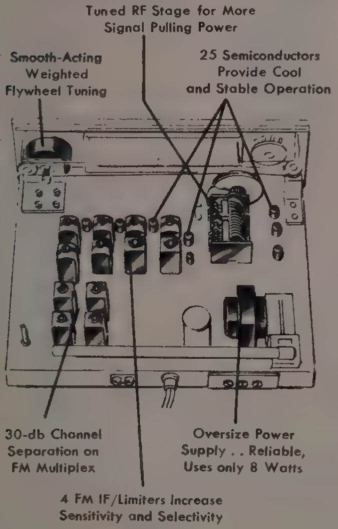
Thrill to music of striking clarity and purity made possible by years-ahead solid-state engineering. Enjoy the benefits of transistor circuitry: instant music—no filaments to warm up; no microphonics (mechanical noise); almost no heat; extra-powerful and clean bass—output transformers have been eliminated; and space-saving compactness. New power supply design for "no hum" performance. Terminal-board wiring is almost immune to jolts or vibration. Full set of controls puts you in command of every stereo and monophonic source. For 4, 8 or 16-ohm speakers. Brushed-brass and white extruded aluminum panel. See matching KN-255A tuner. 3⅜x11¼x10⅜" deep. Less case, below. For 105-130 v., 60 cycle AC. Made in U.S.A. Shpg. wt., 15 lbs.

95 DU 044-G *$6 Monthly*.......................................**119.95**
95 DX 022-G Oiled-Walnut Wood Case. Shpg. wt., 5 lbs.......................**12.95**
95 DX 039-G Dark Brown Metal Case. Shpg. wt., 4 lbs.........................**5.95**

SPECIFICATIONS

Power Output: 50 watts IHF; 25 watts IHF music power per channel; 15 watts continuous sine-wave power per channel. **Frequency Response:** ±1 db, 20 to 20,000 cps. **Harmonic Distortion:** 1.0%. **Hum and Noise:** −75 db at tuner input. −60 db at magnetic phono input. **Sensitivity:** Tuner, 0.25 volts; tape, 3.5 mv; phono, 4 mv; auxiliary 1, 1.0 volts; auxiliary 2, 0.5 volts. **Inputs:** 5 pairs—magnetic phono, tape head, tuner, auxiliary 1, and auxiliary 2. **Output:** 4, 8 or 16 ohms; 2 high-impedance for tape recording; stereo headphone jack. **Controls:** selector switch, bass, treble, balance, volume/on-off, stereo/mono, lo-cut, hi-cut, and channel normal/reverse. **Semiconductors:** 15 transistors, 2 diodes. **Custom Mounting:** actual panel size, 3⅜x11¼".

Missile-Age Stereo Tuner Design


Tuned RF Stage for More Signal Pulling Power
Smooth-Acting Weighted Flywheel Tuning
25 Semiconductors Provide Cool and Stable Operation
30-db Channel Separation on FM Multiplex
Oversize Power Supply . . Reliable, Uses only 8 Watts
4 FM IF/Limiters Increase Sensitivity and Selectivity

KN-255A's all-transistor circuit design is the latest in solid-state engineering. Boasts every feature necessary for true hi-fi performance.

New KN-255A All-Transistor Solid-State Stereo Multiplex FM and FM-AM Tuner

KN
255A

- Sensitive Distortion-Free FM Stereo and FM-AM
- AFC Locks In FM Stations to Eliminate Drift
- Stereo Indicator-Light Identifies Stereocasts
- Tuning Meter Accurately "Pin Points" Stations
- Stereo Outputs for Off-the-Air Tape Recording

$139 95 less case
$7 monthly

Important improvements in solid-state circuitry have been introduced in our new KN-255A tuner for magnificent stereo performance at a moderate price. Features stable multiplex circuit and wideband IF stages for maximum fidelity. Has automatic frequency control and precision tuning meter for perfect, yet easy tuning. Flywheel-weighted assembly gives you velvet-smooth dialing. Stereo light glows only when stereocast is tuned in Matches KN-950A amplifier. 3⅜x11¼x10⅜". With two 36" output cables. Less case, below. For 110-130 v., 50-60 cycle AC. Made in U.S.A. Shpg. wt., 10 lbs.

95 DU 019-G *$7 Monthly*.......................................**139.95**
95 DX 022-G Oiled-Walnut Wood Case. Wt., 5 lbs..............................**12.95**
95 DX 039-G Dark Brown Metal Case. Wt., 4 lbs................................**5.95**

SPECIFICATIONS

FM SECTION. FM Sensitivity: 2 microvolts for 20 db quieting. **Frequency Response:** ±1 db, 20-20,000 cps. **IF Bandwidth:** 290 kc. **Channel Separation:** 30 db or better. **Harmonic Distortion:** 0.5% at 100% modulation. **Hum and Noise:** 58 db below 100% modulation. **AM SECTION. AM Sensitivity:** 8 microvolts for 20 db signal-to-noise ratio. **Frequency Response:** 20 to 8000 cps. **IF Bandwidth:** 8 kc. **OVERALL. Outputs:** 2 low-impedance; 2 high-impedance. **Antennas:** FM, 300-ohm input; AM, built-in loopstick. **Semiconductors:** 16 transistors, 8 diodes and 1 selenium rectifier. **Custom Mounting:** actual panel size, 3⅜x11¼".

KNIGHT . . . for those who demand finest sound

TRANSISTOR STEREO AMPLIFIER
TAPE MONITOR
ON
OFF
MODE
MONO
STEREO
STEREO
REVERSE
NORMAL
LO CUT
ON
OFF
HI CUT
ON
OFF
LOUDNESS
ON
OFF
PHASE
REVERSE
NORMAL
POWER
ON
OFF
PHONES
BASS
TREBLE
KNIGHT
TAPE
PHONO
TUNER
AUX
BALANCE
LOUDNESS

KN 999

Transistorized STEREO HI-FI COMPONENTS

Products of space-age semiconductor research, these solid-state stereo components offer never-before listening realism. Banished forever are primary sources of listening fatigue—distortion, hum, tube noises. Music is always spacious, transparent and amazingly authentic.

AM-FM-MX TRANSISTOR STEREO TUNER
STEREO
FM
AM
TUNING
KNIGHT
FM
LOC
DIST
POWER
OFF
ON
OSR
OFF
ON
AFC
OFF
ON

Perfectly-Matched Stereo Companions

KN 265

100-Watt Stereo Amplifier

WITH ADVANCED SOLID-STATE CIRCUITRY

KN 999

less case **$179.95**

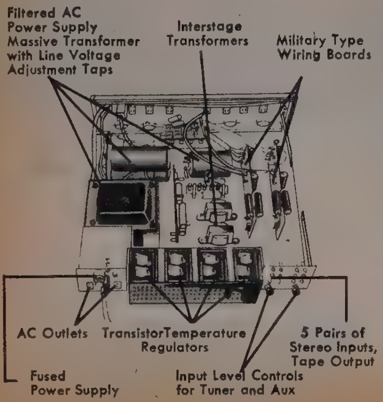
$9 monthly

- **Our Finest Transistorized Stereo Amplifier**
- **All Highest Quality Domestic Semiconductors**
- **No Warm-Up Required—Plays Instantly**
- **Abundant Reserve Power to Drive Any Speaker**

A milestone in the art of realistic music reproduction. Thanks to advanced, solid-state circuitry, music is clean, pure—absolutely free from electronic coloration. You hear extra-powerful, supremely natural bass, because performance-limiting output transformers are eliminated. Uses 19 transistors and 8 diodes of the latest domestic types for top reliability. Amplifier runs cool—in any installation—efficient temperature control convectors and spacious chassis let transistors operate at full efficiency at all times. Plays instantly, no warmup required. Four pushbuttons select the program source you desire. Monitor provision lets you check tapes while recording. Has stereo headphone jack for private listening; speaker phasing switch; 5 pairs of stereo inputs (two with level controls); hi and lo-cut filters; massive power transformer with line-voltage correction taps; circuit breaker; 2 convenience AC outlets. Has abundant reserve power to drive any speaker. Brushed brass heavy-gauge control panel. Size, 4½x13⅞x12¾". Less case, at right. For 117-127 v., 60 cycle AC. Shpg. wt., 23 lbs.

95 DU 037-G. *$9 Monthly. Made in U.S.A.*......**179.95**

DELUXE CIRCUIT FEATURES:


Filtered AC Power Supply
Massive Transformer with Line Voltage Adjustment Taps
Interstage Transformers
Military Type Wiring Boards
AC Outlets
TransistorTemperature Regulators
5 Pairs of Stereo Inputs, Tape Output
Fused Power Supply
Input Level Controls for Tuner and Aux

SPECIFICATIONS

Power Output: 200 watts peak; 100 watts IHF, each channel 50 watts; 35 watts-per-channel continuous sine wave output.

Frequency Response: ±½ db, 20-30,000 cps.

Harmonic Distortion: 1.0%.

Hum and Noise: —90 db, Tuner and Aux.; —65 db, Phono and Tape Head Inputs.

Input Sensitivity: 0.1 v., Tuner and Aux.; 2.5 mv., Tape; 3.0 mv., Phono inputs for full rated output.

Outputs: 4, 8, 16 ohms-per-channel to speakers, hi-z center channel; hi-z to stereo recorder; lo-z to stereo headphones.

Custom Mounting: panel size, 4⅜x 14¼".

Stereo Multiplex FM-AM Tuner

WITH ADVANCED SOLID-STATE CIRCUITRY

KN 265

less case **$179.95**

$9 monthly

- **Flawless Reception of Stereo and Mono FM, AM**
- **Indicator Lights When You're Tuned to Stereo**
- **Tuning Meter, Local-Distant Switch, AFC, DSR**
- **Wideband ratio detector; built-in-antenna**

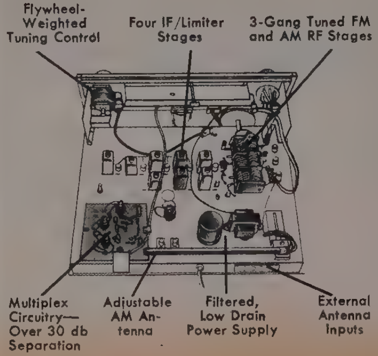
A triumph in solid-state wideband tuner design, the fabulous KN-265 brings you incredibly realistic stereo FM reception plus standard FM and AM performance of striking clarity. The ultimate in convenience: a panel light indicates when FM stations are transmitting stereo; a precision signal-strength meter assures accurate tuning; flywheel-weighted tuning knob has velvet-smooth action; AFC circuit eliminates drift; Dynamic Sideband Regulation reduces FM distortion. FM circuit has sensitive 3-gang tuned RF stage; 4 IF/limiter stages; Local-Distant switch; wideband ratio detector; 50 and 300-ohm antenna inputs. Deluxe AM section has sensitive tuned RF stage; 10-kc whistle filter, built-in antenna. Supplied with indoor FM antenna, 2—3-ft. audio cables. Uses 17 transistors, 8 diodes, 1 selenium rectifier. Size, 4½x13⅞x12". Panel matches KN-999, at left. Less case, below. For 110-127 v., 50-60 cycle AC. Shpg. wt., 14 lbs.

95 DU 017. *$9 Monthly. Made in U.S.A.*......**179.95**

95 DX 038. Dark Brown Metal Case. For KN-999 and KN-265. Wt., 4 lbs......**5.95**

95 DX 023. Oiled Walnut Wood Case. For KN-999 and KN-265. Wt., 8 lbs...**14.95**

DELUXE CIRCUIT FEATURES:


Flywheel-Weighted Tuning Control
Four IF/Limiter Stages
3-Gang Tuned FM and AM RF Stages
Multiplex Circuitry—Over 30 db Separation
Adjustable AM Antenna
Filtered, Low Drain Power Supply
External Antenna Inputs

SPECIFICATIONS

FM Sensitivity: 2 uv for 30 db quieting; 3 µv IHF.

AM Sensitivity: 5 µv for 20 db signal-to-noise ratio.

FM Frequency Response: ±0.5 db, 20-25,000 cps.

FM Bandwidth: 300 kc.

FM Distortion: 0.5% at 100% modulation.

FM Stereo Separation: 30 db.

FM Hum and Noise: —58 db.

Stereo Outputs: 2 lo-z to amplifier, 2 hi-z to recorder.

Antennas: FM, 50-300 ohm input; AM, loopstick, external input.

Ranges: 535-1640 kc, 88-108 mc.

Dial Calibration: ±0.2 kc.

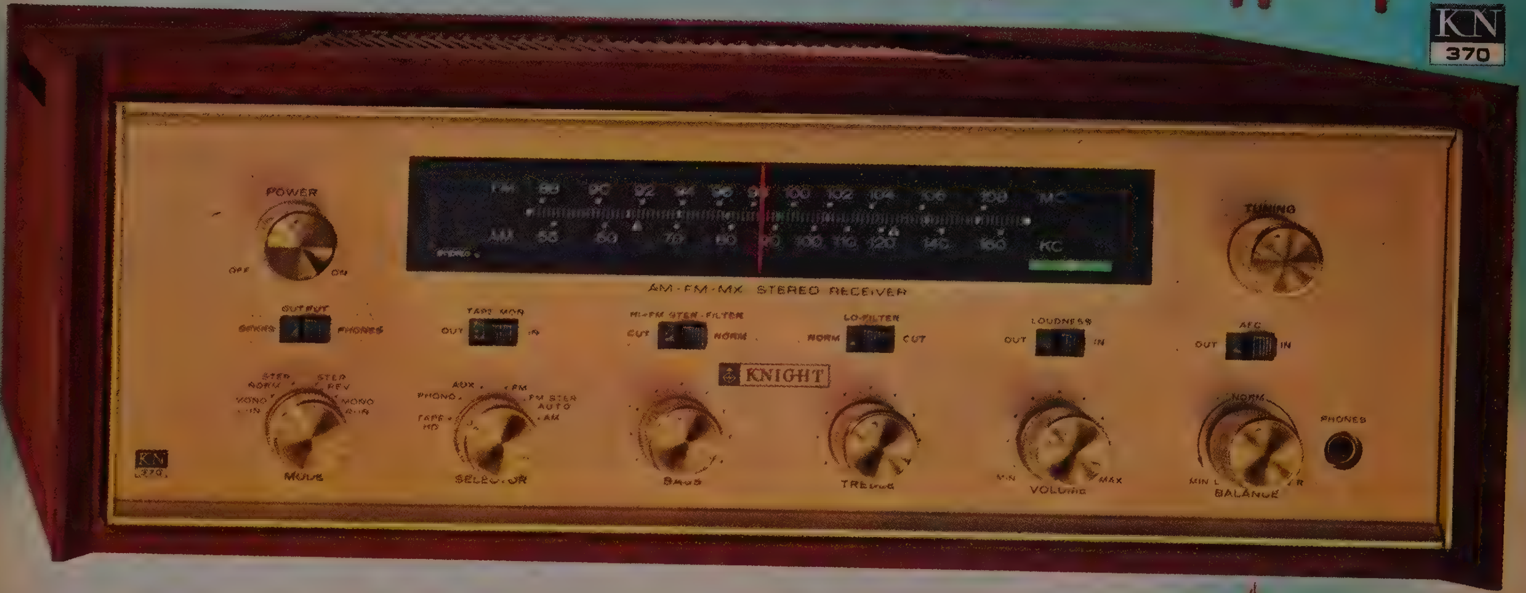
Custom Mounting: panel size, 4⅜x 14¼".

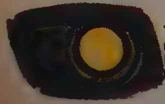
KNIGHT

STEREO HI-FI ELECTRONICS

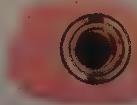
Our Finest Receiver . . .

BRINGS YOU BEAUTIFUL LISTENING FROM EVERY STEREO MUSIC SOURCE


KN 370
POWER
OFF
ON
FM
AM
MC
KC
AM-FM-MX STEREO RECEIVER
TUNING
OUTPUT
SPKRS
PHONES
TAPE MON
OUT
IN
HI-FM STER-FILTER
CUT
NORM
LO-FILTER
NORM
CUT
LOUDNESS
OUT
IN
AFC
OUT
IN
KNIGHT
MODE
SELECTOR
PHONO
AUX
FM
FM STER AUTO
AM
TAPE HD
BASS
TREBLE
VOLUME
MIN
MAX
BALANCE
NORM
L
R
PHONES
KN 370

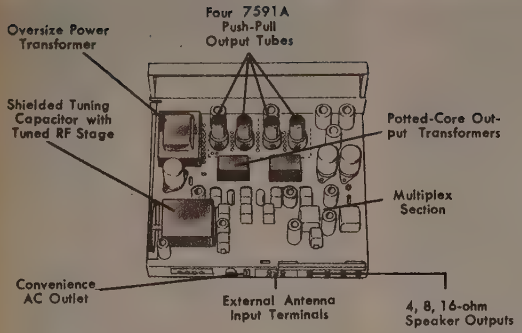


Tuner Automatically Switches to Stereo When Multiplex Program Is Received—Panel Light Flashes On



Front Panel Jack Accepts Low-Impedance Stereo Headphones for Listening in Complete Privacy

Bar-Type "Magic-Eye" Tuning Indicator Closes to Show You When You're Exactly "On-Station"


Four 7591A Push-Pull Output Tubes
Oversize Power Transformer
Shielded Tuning Capacitor with Tuned RF Stage
Potted-Core Output Transformers
Multiplex Section
Convenience AC Outlet
External Antenna Input Terminals
4, 8, 16-ohm Speaker Outputs

KN-370 SPECIFICATIONS

FM SECTION

IHF Sensitivity: 2.5 microvolts for 20 db of quieting.

IF Bandwidth: 300 kc.

AM SECTION

Sensitivity: 4 microvolts for **20**db of S/N ratio.

Selectivity: 8 kc.

AMPLIFIER SECTION

Output Power: 70 watts IHF; 35 watts-per-channel; 140 watts peak; continuous sine wave output power, 32 watts per channel.

Frequency Response: ±1 db, 20-20,000 cps at full rated power.

Harmonic Distortion: less than 0.6% at full rated power.

Hum and Noise: —60 db at magnetic phono and tape head inputs; —75 db at auxiliary inputs and in tuner position.

Channel Separation: 35 db or better.

Stereo Inputs: Tape Head, Magnetic Phono, Auxiliary.

Controls: Selector (Tape Head, Phono, Aux., FM, FM Stereo, AM); Mode (Mono Left, Stereo Norm, Stereo Rev., Mono Right); Volume; Balance; Bass; Treble; Lo-Filter; Hi-Stereo FM Filter; Loudness; Tape Monitor; Speaker-Phones Switch; AM-FM Tuning; AFC; Power Off-On.

Outputs: 4, 8 and 16 ohms-per-channel to speaker; left and right channel to tape recorder; hi-z center channel; low-z stereo output to headphones.

Tube Complement: 1—6GK5; 1—6BA6; 1—6BE6; 1—12AU7; 1—6BL8; 1—EM84; 2—12AT7; 3—6AU6; 4—7591A; 5—12AX7; 12 diodes (8 germanium, 4 silicon); 7 silicon rectifiers.

Power Requirements: 110-125 v., 60 cycle AC; 200 watts.

Knight KN-370 70-Watt Stereo Receiver

A NEW ALL-IN-ONE STEREO MULTIPLEX FM-AM TUNER/AMPLIFIER

$279 95 less case

$14 monthly

- Multiplex FM Section Automatically Switches On When FM "Stereocast" Begins
- Tuner Section Receives Stereo Multiplex FM, Regular FM, Plus AM Broadcasts
- 140-Watt Peak Output Drives Any Speaker Systems to Full Listening Levels
- Dual-Channel Bass and Treble Controls Adjust Both Channels Simultaneously
- Six-Position Input Selector Gives Fingertip Command of All Music Sources
- Stereo Headphone Jack on Front Panel Permits Private Listening

A masterpiece of engineering skill in the Knight tradition of highest quality at a sensible price! New for '65, the KN-370 combines on a single chassis individual FM and AM tuning sections, special multiplex circuitry that automatically switches to stereo, dual preamplifiers for records and tapes, a full set of controls and inputs, and a powerful 35 watt-per-channel stereo amplifier. Merely add a record changer and/or a tape deck and speakers to have a complete stereo music system of unexcelled listening quality.

The sensitive FM tuner section features multiplex circuitry that automatically switches on and triggers a front panel indicator light whenever an FM "Stereocast" begins, returns to monophonic operation when "stereocast" ends. Provides superb stereo with excellent channel separation, has built-in filter for elimination of noise. Fully tuned FM RF amplifier provides high sensitivity for best stereo reception. Wideband IF amplifier and balanced ratio detector provide dual limiting for distortionless sound. Automatic frequency control locks in stations to eliminate FM drifting. A bar-type "magic eye" tuning indicator closes to a hairline when you're exactly "on station." Sensitive wideband AM tuning section features built-in loopstick antenna and 3 IF amplifier stages—plenty of pull-in power to receive stations from distant locations.

Preamplifier section utilizes direct current on all tube filaments to eliminate hum. Provides precise RIAA equalization for all magnetic phono cartridges, plus NAB equalization for tape. Also has stereo inputs for ceramic or crystal phono cartridge and for auxiliary music sources. Ganged bass and treble controls let you adjust tone of left and right channels simultaneously to suit your personal tastes, speaker response and room acoustics. True loudness control with switch provides proper tonal balance at all listening levels. Rumble filter eliminates annoying turntable noises. Balance control lets you adjust channels for best stereo effect—from any listening point, with any speakers you choose.

Other features include: stereo inputs for tape heads, stereo tape recorder outputs that operate completely independent of amplifier's tone and volume controls, monitor switch that lets you check stereo tapes while you record them from phono or FM, high-impedance center channel output to drive an external monophonic amplifier. Jack on front panel accommodates stereo headphones to permit private listening without disturbing others.

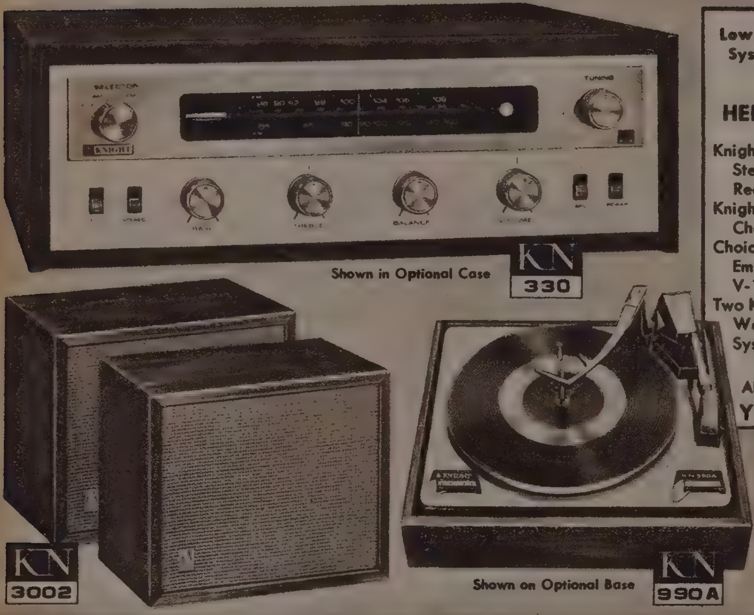
Massive potted output transformers and four 7591A push-pull output tubes provide superb undistorted response. Husky filtered power supply has plenty of reserve to deliver full rated output power with ease. Switched convenience AC outlet provides power for a record changer, turntable, or tape recorder. With built-in AM loopstick and FM line-cord antennas. Inputs are provided for external 50 and 300-ohm FM antennas plus external wire AM antenna. Size, $5\frac{1}{4}$x$15\frac{15}{16}$x15". Less case, below. For 110-125 v., 60 cycle AC. Shpg. wt., 38 lbs.

95 DU 058-G. *$14 Monthly*	**279.95**
95 DX 057-G. Walnut Wood Case. 10 lbs.	**23.95**
95 DX 055-G. Brown Metal Case. 9 lbs.	**12.95**

KNIGHT

30-Watt Peak FM-AM Systems

SAVE ON SYSTEMS FEATURING THE KNIGHT KN-330 STEREO MULTIPLEX FM-AM RECEIVER



Shown in Optional Case

Shown on Optional Base

Low Cost System **$229.95** $12 monthly

HERE'S HOW YOU SAVE

Knight KN-330 30-Watt Stereo Multiplex FM-AM Receiver	159.95
Knight KN-990A Record Changer	49.95
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-3002 2-Way Walnut Shelf Speaker Systems	39.90
TOTAL	$267.75
Allied Price	$229.95
YOU SAVE	**$37.80**

YOUR CHOICE OF CARTRIDGE

Empire 880 · Pickering V-15/AT-1 · Shure M7/N21D

Low Cost Stereo System—Save $37.80 Off Individual Catalog Prices

KN-330 RECEIVER offers 30 watts peak power of hi-fi sound. Receives stereo FM, monophonic FM and AM. On FM, tuner section automatically switches to stereo. Has individual bass and treble, volume and balance controls, inputs for phono and tape, many more deluxe features.

KN-990A RECORD CHANGER handles your records with care. Plays all speeds and sizes, has quiet 4-pole motor that drives oversize turntable with professional accuracy. Also: counter balanced pickup arm, handy lever controls.

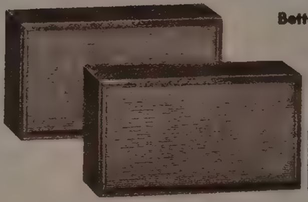
CARTRIDGE you choose has a long-lasting diamond needle. Supplied in plug-in head for KN-990A.

KN-3002 SPEAKER SYSTEMS utilize an 8" low-frequency woofer that provides outstanding bass response, plus 3½" tweeter for superb reproduction of highs. Electrical crossover provides smooth speaker transition. Compact 12⅜x15x9" enclosure provides extended-range 50-15,000 cps response without resonant peaks. Expertly finished in attractive oiled walnut veneer with cane grille cloth that blends with any room decor.

You also get all connecting cables and Allied's System Booklet. Less receiver case and changer base, listed below. Shpg. wt., 82 lbs. Express.

22 HF 005-G. Specify Cartridge. *$12 Monthly*	**229.95**
95 DX 059-G. Walnut Wood Case For KN-330. 8 lbs.	**16.95**
95 DX 093-G. Brown Metal Case For KN-330. 7 lbs.	**7.95**
95 DX 457-G. Walnut Base For KN-990A. 4 lbs.	**3.95**

Better 30-Watt Peak System



$247.95

$13 monthly

Alternate 3-Way Speaker Systems

Better 30-Watt Stereo System—Save $39.80

Includes all components in system at left, but has Two **Knight KN-3005 3-Way Walnut Speaker Systems** in place of KN-3002's. Have 10" woofer, 6" midrange and 3½" VHF tweeter for excellent 40-16,000 cps overall frequency response. Specially designed enclosures are only 22x12x8", allow many placement possibilities. Expertly finished in handsome oiled walnut veneer. Less receiver case and record changer base, listed at left. Shpg. wt., 102 lbs. Shipped express.

22 HF 006-G. Specify Cartridge. *$13 Monthly*...... **247.95**

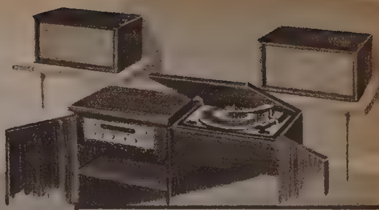
IMPORTANT!

IF YOU PREFER . . .

You may make your own system selection and also save money

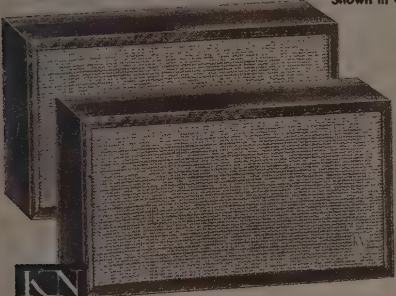
Deluxe 30-Watt Peak Systems

SAVE ON STEREO HI-FI SYSTEMS FEATURING KNIGHT KN-330 STEREO MULTIPLEX FM-AM RECEIVER



Shown in Optional Case

KN 330



KN 3030K

Shown on Optional Base

KN 990A

Deluxe System **$249.95** $13 monthly

HERE'S HOW YOU SAVE

Knight KN-330 30-Watt Stereo Multiplex FM-AM Receiver	159.95
Knight KN-990A Record Changer	49.95
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-3030K 3-Way Walnut Shelf Speaker System Kits	79.90
TOTAL	$307.75
Allied Price	$249.95
YOU SAVE	**$57.80**

YOUR CHOICE OF CARTRIDGE

Empire 880

Pickering V-15/AT-1

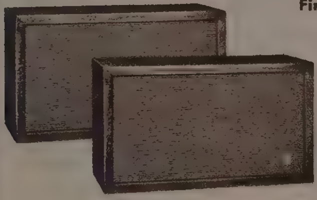
Shure M7/N21D

Deluxe 30-Watt Stereo System—Save $57.80 Off Individual Catalog Prices

Finest 30-Watt System

$267.50

$14 monthly



KN 2281 Alternate 3-Way Walnut Speaker Systems

Finest 30-Watt Peak System—Save $60.25

Includes all components in system at right, but has Two **Knight KN-2281 3-Way Walnut Speaker Systems** in place of KN-3030K's. Superb-sounding speakers feature 10" high-compliance woofer with ¾-lb. ceramic magnet for bass response down to 30 cps. 3½" midrange reproduces the important middle frequencies, and a 3½" tweeter radiates highs for overall 30-18,000 cps response. 13½x23¼x10"; oiled walnut veneer. Less receiver case and changer base, at right. Shpg. wt., 104 lbs. Shipped express.

22 HF 008-G. Specify Cartridge. *$14 Monthly*...... **267.50**

KN-330 RECEIVER brings you 30 watts peak power of superb stereo music reproduction. FM tuner section automatically switches to stereo when a multiplex broadcast begins. Also receives AM programs. Has a full complement of controls and is loaded with operating features. (See page 86).

KN-990A RECORD CHANGER plays all speeds and sizes. Combines turntable performance with record changer convenience. Has powerful 4-pole motor, balanced pickup arm, oversize turntable platter and handy lever controls.

CARTRIDGE you choose has a long-lasting diamond needle. Supplied in plug-in head for KN-990A.

KN-3030K SPEAKER SYSTEM KITS have 12" woofer with big 10-ounce ceramic magnet for superb low-frequency response. Electrical crossover provides smooth transition to 6" midrange that provides added presence, and 3½" VHF tweeter that gives crisp, clean highs. Overall response covers the entire listening range from 35 to 17,000 cps. Handsome walnut veneer enclosures are easy to put together. Assemble and oil a pair in an evening. Follow easy instructions with oil supplied. 24x14½x10".

You also get all connecting cables and Allied's System Booklet. Less receiver case and changer base, below. Shpg. wt., 108 lbs. Shipped express.

22 HF 007-G. Specify Cartridge. *$13 Monthly*...... **249.95**
95 DX 059-G. Walnut Wood Case For KN-330. 8 lbs... **16.95**
95 DX 093-G. Brown Metal Case For KN-330. 7 lbs...... **7.95**
95 DX 457-G. Walnut Base For KN-990A. 4 lbs......... **3.95**

Are the components you want shown in our system listings? If not, write our Audio Division for a price quote. You'll get savings comparable to those offered on systems listed on these pages. You always get more for your money when you buy your hi-fi from Allied!

KNIGHT 45-Watt Stereo Receiver Systems

SAVE ON STEREO FM-AM-PHONO SYSTEMS FEATURING KNIGHT KN-345 STEREO MULTIPLEX FM-AM RECEIVER

KN 345

Shown in Optional Case

KN 3002

KN 990A

Shown on Optional Base

YOUR CHOICE OF CARTRIDGE

Empire 880 | Pickering V-15/AT-1 | Shure M7/N21D

Low Cost System $259.95 $13 monthly

HERE'S HOW YOU SAVE

Knight KN-345 45-Watt Stereo Multiplex FM-AM Receiver	199.95
Knight KN-990A Changer	49.95
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-3002 Walnut Shelf Speaker Systems	39.90
TOTAL	$307.75
Allied Price	$259.95
YOU SAVE	**$47.80**

Low-Cost 45-Watt Stereo System—Save $47.80 Off Individual Catalog Prices

KN-345 RECEIVER combines sensitive, automatically-switching stereo multiplex FM and AM tuner, with an excellent sounding 45-watt stereo amplifier. Features full complement of handy front-panel controls, inputs for stereo phono and tape recorder, and a host of other deluxe operating features. Specs on page 87.

KN-990A RECORD CHANGER plays all sizes and speeds. Combines the performance of a turntable with the convenience of a record changer. A heavy-duty 4-pole motor accurately and quietly drives an oversize turntable platter. Precision counterweighted pickup arm has needle pressure scale. Also features gentle changing mechanism and handy lever-type operating controls. Specs on page 85.

KN-3002 SPEAKER SYSTEMS offer true 2-way design. Feature 8" woofer for deep bass, 3½" tweeter with electrical crossover for silky-smooth highs. Wide response covers 50-15,000 cps. Slender-style enclosures are only 12⅜x15x9", set them on shelves, mantles, tables—offer unlimited placement possibilities. Handsomely finished in hand-rubbed oiled walnut veneer with contrasting acoustically transparent cane grille cloth that permits free dispersion of high frequencies.

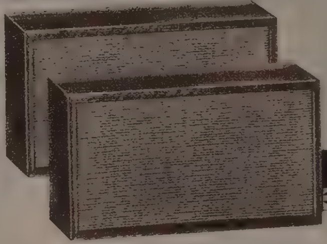
You also get all cables and Allied's System Booklet. Less receiver case and changer base, below. Shpg. wt., 85 lbs. Shipped express.

22 HF 001-G. Specify Cartridge. *$13 Monthly*......**259.95**

95 DX 062-G. Walnut Wood Receiver Case. 9 lbs..........**19.95**

95 DX 063-G. Brown Metal Receiver Case. 8 lbs..........**8.95**

95 DX 457-G. Walnut Changer Base. 4 lbs..............**3.95**



KN 3030K

Deluxe System $287.50 $15 monthly

Alternate 3-Way Speaker System Kits

Deluxe 45-Watt Stereo System—Save $60.25

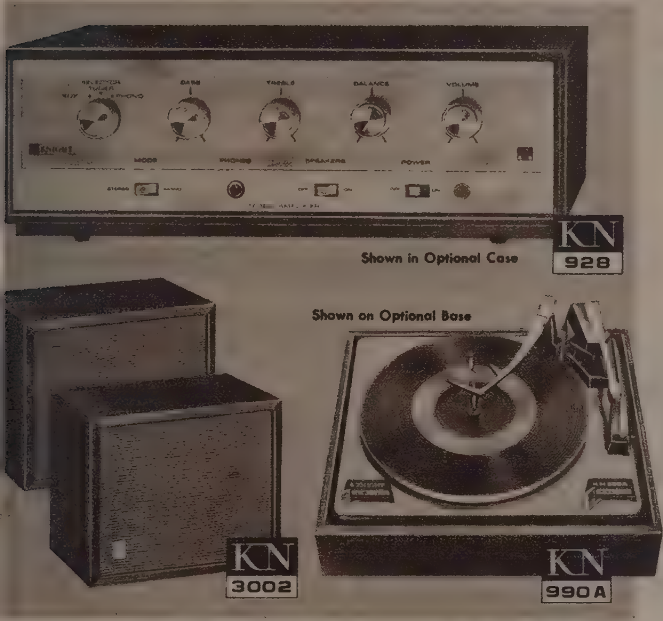
Includes all components in system at left but has Two Knight KN-3030K 3-Way Walnut Speaker System Kits in place of KN-3002s. Have 12" woofer with ¾-lb. ceramic magnet, 6" midrange and 3½" VHF tweeter with electrical crossover in a precision, tuned-port enclosure. Provide 35-17,000 cps response. Handsome oiled walnut finished with contrasting grille cloth. Only 24x14½x10", many placement possibilities. Less receiver case and changer base, at left. Shpg. wt., 111 lbs. Shipped express.

22 HF 002-G. Specify Cartridge. *$15 Monthly*......**287.50**

IF YOU PREFER . . .
You may make your own
system selection and
also save money

ave a Big 20% on 28-Watt Stereo Hi-Fi Systems

COMPLETE PLUG-IN AND PLAY SYSTEMS FEATURING POPULAR KNIGHT KN-928 28-WATT STEREO HI-FI AMPLIFIER



Shown in Optional Case

Shown on Optional Base

Low Cost System $\$129^{95}$ $7 monthly

HERE'S HOW YOU SAVE

Knight KN-928 Economy 28-Watt Stereo Hi-Fi Amplifier	54.95
Knight KN-990A Changer	49.95
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1 Cartridge	17.95
Two Knight KN-3002 Walnut Shelf Speaker Systems	39.90
TOTAL	$162.75
Allied Price	$129.95
YOU SAVE	**$32.80**

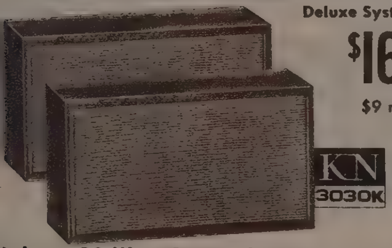
YOUR CHOICE OF CARTRIDGE

Empire 880

Pickering V-15/AT-1

Shure M7/N21D

Low-Cost 28-Watt Stereo System—Save $32.80 Off Individual Catalog Prices



Alternate 3-Way Speaker Systems

Deluxe System $\$162^{50}$ $9 monthly

Deluxe 28-Watt Stereo System—Save $40.25

ncludes all components in system at right, but has Two night KN-3030K 3-Way Walnut Speaker System Kits in lace of KN-3002s. Bring you wide range 35-17,000 cps reponse thanks to true 3-way design. A 12″ bass woofer with 4-lb. ceramic magnet reproduces lows, 6″ midrange and ½″ tweeter widely disperse highs without distortion. ompact 24x14½x10″ enclosure is finished in oiled walnut eneer with contrasting grille. Less amplifier case and hanger base, at right. 98 lbs. Express.

2 HF 004-G Specify Cartridge. *$9 Monthly*........**162.50**

re the components you want shown in our system listings? f not, write our Audio Division for a price quote. You'll et savings comparable to those offered on systems listed n these pages. You always get more for your money hen you buy your hi-fi from Allied!

KN-928 AMPLIFIER provides 28 watts IHF of wide-range stereo. Has inputs for every music source, full array of panel controls, headphone jack, deluxe styling. Complete specifications shown on page 88.

KN-990A RECORD CHANGER handles records with care. Plays all speeds and sizes, has 4-pole motor, oversize turntable, precision arm, manual facilities, too. Specs on page 85.

CARTRIDGE you choose has a long-lasting diamond needle. Supplied in plug-in head for KN-990A.

KN-3002 SPEAKER SYSTEMS feature true 2-way design for amazing fidelity. An 8″ low-frequency woofer reproduces bass notes with a rich, full quality. 3½″ tweeter efficiently spreads upper frequencies. Specially designed enclosure prevents resonant peaks or boominess. Shelf size, 12⅜x15x9″, you can place them anywhere. Finished in oiled walnut veneer.

You also get all connecting cables and Allied's System Booklet. Less amplifier case, changer base, below. Shpg. wt., 72 lbs. Shipped express.

22 HF 003-G. Specify Cartridge. *$7 Monthly*.......**129.95**
95 DX 024-G. KN-928 Walnut Case. 6 lbs.............**12.95**
95 DX 049-G. KN-928 Brown Metal Case. 5 lbs........**5.95**
95 DX 457-G. KN-990A Walnut Base. 4 lbs...........**3.95**
95 DU 018-G. Knight KN-245A Stereo FM-AM Tuner (see p. 90). Less case, below. 12 lbs. *$5 Monthly*...............**99.95**
95 DX 024-G. KN-245A Walnut Case. 6 lbs............**12.95**
95 DX 049-G. KN-245A Brown Metal Case. 5 lbs......**5.95**

KNIGHT

Popular 44-Watt Stereo Systems

SAVE 20% ON HIGH FIDELITY SYSTEMS FEATURING RUGGED KNIGHT KN-940A TOP VALUE STEREO HIGH FIDELITY AMPLIFIER

HERE'S HOW YOU SAVE

Knight KN-940A 44-Watt Stereo Hi-Fi Amplifier	89.95
Knight KN-990A Changer	49.95
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-3005 3-Way Shelf Speaker Systems	59.90
TOTAL	$217.75
Allied Price	$174.40
YOU SAVE	**$43.35**

Low-Cost 44-Watt System

$174.40

$9 monthly

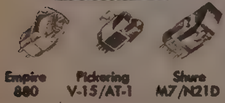
KNIGHT
STEREO AMPLIFIER

KN 940A

Shown in Optional Case

KN 3005

YOUR CHOICE OF CARTRIDGE



KN 990A

Shown on Optional Base

Low-Cost 44-Watt Stereo Phono System—Save $43.35 Off Individual Catalog Prices

KN-940A AMPLIFIER outperforms all others in its price class. Provides 44 watts of beautiful stereo sound. Deluxe features include: 5 pairs of stereo inputs, headphone jack, stereo reverse and contour controls.

KN-990A RECORD CHANGER combines turntable performance with record changer convenience. Plays all four speeds and all size records. Has counterweighted pickup arm, husky 4-pole motor, convenient lever controls.

CARTRIDGE you choose has a long-lasting diamond needle. Supplied in plug-in head for KN-990A.

KN-3005 SPEAKER SYSTEMS have 10" woofer with ceramic magnet for smooth bass response. Electrical crossover channels highs to a 6" midrange and 3½" VHF tweeter for sparkling treble—overall response, 40-16,000 cps. Tuned-port oiled walnut veneer enclosures have attractive cane grille cloth. Measure 22x12x8".

You also get all connecting cables and Allied's own carefully prepared System Booklet. Less amplifier case and record changer base, listed below. Shpg. wt., 95 lbs. Shipped express.

22 HF 009-G. Specify Cartridge. *$9 Monthly*..... **174.40**

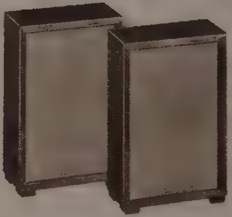
95 DU 018-G. Knight KN-245A Stereo FM-AM Tuner (see p. 90). Less case, below. 12 lbs. *$5 Monthly*........... **99.95**

OPTIONAL CASES. Fit KN-940A or KN-245A

95 DX 024-G. Walnut Wood Case. 6 lbs.............. **12.95**

95 DX 049-G. Brown Metal Case. 5 lbs................. **5.95**

95 DX 457-G. Walnut Changer Base For KN-990A. 4 lbs. **3.95**



Better 44-Watt System

$219.95 $11 monthly

KN 2260K

Alternate 3-Way Walnut Speaker System Kits

Better 44-Watt Stereo System—Save $57.80

Includes all components in system at left, but Two Knight KN-2260K 3-Way Walnut Speaker Systems Kits in place of KN-3005s. Employ 12" high-compliance woofer with ¾-lb. ceramic magnet, 8" midrange speaker with 10-oz. magnet, compression horn tweeter with 2.5 ounce magnet for wide 30-20,000 cps response. Assemble and finish with oil supplied in an evening. 25x17x8". Less amplifier case, changer base, listed at left. Shpg. wt., 121 lbs. Shipped express.

22 HF 010-G. Specify Cartridge. *$11 Monthly*...... **219.95**

IF YOU PREFER . . .

You may make your own system selection and also save money

Deluxe 44-Watt Stereo Music Systems

AVE ON HI-FI SYSTEMS FEATURING NEW KNIGHT KN-940A 44-WATT STEREO HI-FI AMPLIFIER

HERE'S HOW YOU SAVE

Knight KN-940A 44-Watt Stereo Hi-Fi Amplifier	89.95
Knight KN-990A Changer	49.95
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-2281 3-Way Shelf Speaker Systems	99.90
TOTAL	$257.75
Allied Price	$209.95
YOU SAVE	**$47.80**

Deluxe 44-Watt System

$\$209^{95}$ $11 monthly

KN 940A

Shown in Optional Case

KN 2281

YOUR CHOICE OF CARTRIDGE

Empire 880

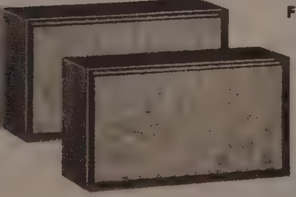
Pickering V-15/AT-1

Shure M7/N21D

KN 990A

Shown on Optional Base

Deluxe 44-Watt Stereo Phono System—Save $47.80 Off Individual Catalog Prices



KN 2300A

Alternate Acoustic Suspension Speaker Systems

Finest 44-Watt System

$\$249^{95}$

$13 monthly

Finest 44-Watt Stereo System-Save $67.80

ncludes all components in system at right, but has Two **night KN-2300A 3-Way Walnut Speaker Systems** in place of N-2281's. Feature 12" high-compliance acoustic suspenion woofer with 1¾-lb. magnet, midrange compression orn with Alnico magnet, dome-type compression VHF weeter with Alnico magnet for superb 25-20,000 cps reponse. Handsomely finished in oiled walnut veneer with ray nubby grille cloth. 16x25x12". Less amplifier case, hanger base, at right. 127 lbs. Shipped express.

2 HF 012-G. Specify Cartridge. *$13 Monthly*......**249.95**

Are the components you want shown in our system listings? f not, write our Audio Division for a price quote. You'll get savings comparable to those offered on systems listed on these pages. You always get more for your money when you buy your hi-fi from Allied!

KN-940A AMPLIFIER provides 44 watts of clean sound that's a pleasure to hear. Has separate bass and treble controls, balance control, tape recording outputs, headphone jack, modern styling, many more deluxe features.

KN-990A RECORD CHANGER plays all speeds and sizes with turntable performance and changer convenience. Has 4-pole motor, balanced arm, lever controls.

CARTRIDGE you choose has a long-lasting diamond needle. Supplied in plug-in head for KN-990A changer.

KN-2281 SPEAKER SYSTEMS offer 3-way design for wide-range 30-18,000 cps response. A 10" high-compliance woofer has ¾-lb. ceramic magnet for full rich bass. 3½" midrange and 3½" tweeter smoothly reproduce highs. Only 13½x23¾x10", attractive oiled walnut veneer.

You also get all cables and Allied's System Booklet. Less amplifier case and changer base, below. Shpg. wt., 97 lbs. Shipped express.

22 HF 011-G. Specify Cartridge. *$11 Monthly*......**209.95**

95 DU 018-G. KN-245A Stereo FM-AM Tuner (see p. 90). Less case, below. 12 lbs. *$5 Monthly*....................**99.95**

OPTIONAL CASES. Fit KN-940A or KN-245A, above.

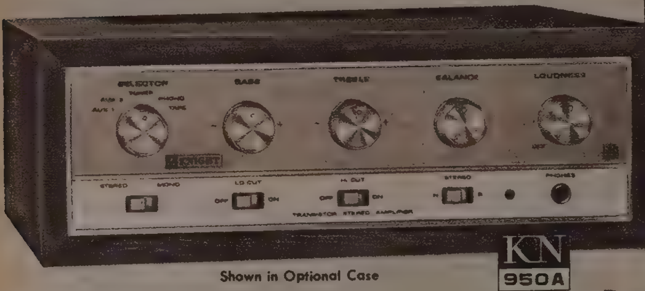
95 DX 024-G. Walnut Wood Case. 6 lbs..............**12.95**

95 DX 049-G. Brown Metal Case. 5 lbs...............**5.95**

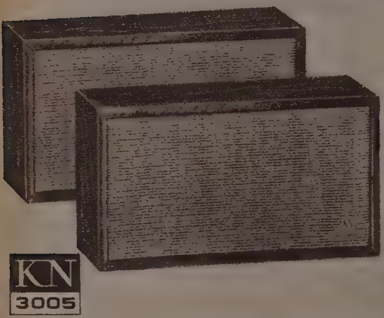
95 DX 457-G. Walnut Base For KN-990A Record Changer. Recessed styling. Shpg. wt., 4 lbs....................**3.95**

KNIGHT Top Buy 50-Watt Stereo Systems

SAVE ON HI-FI SYSTEMS FEATURING KNIGHT KN-950A TRANSISTOR STEREO AMPLIFIER WITH ADVANCED SOLID-STATE CIRCUITRY



Shown in Optional Case



Shown on Optional Base

Top Value System $199.95 $10 monthly

HERE'S HOW YOU SAVE

Knight KN-950A 50-Watt Solid-State Stereo Amplifier	119.95
Knight KN-990A Record Changer	49.95
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-3005 3-Way Walnut Shelf Speaker Systems	59.90
TOTAL	$247.75
Allied Price	$199.95
YOU SAVE	**$47.80**

YOUR CHOICE OF CARTRIDGE

Empire 880 Pickering V-15/AT-1 Shure M7/N21D

Lowest Priced 50-Watt Solid State System—Save $47.80 Off Catalog Prices

KN-950A AMPLIFIER provides 50 watts of stunning music realism. It's transistorized—no heat, hum or distortion problems. And full controls and inputs put you in total command of every music source. See page 92.

KN-990 A RECORD CHANGER plays all four speeds. Intermixes all size records of the same speed. Has gentle changing mechanism, powerful 4-pole motor, precision counterbalanced arm with linear pressure gauge.

CARTRIDGE you choose has a long-lasting diamond needle. Supplied in plug-in head for KN-990A.

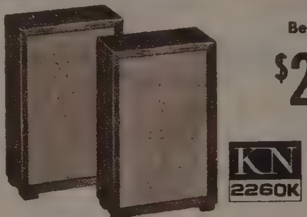
KN-3005 SPEAKER SYSTEMS have 10" woofer with ceramic magnet for smooth bass down to 40 cps. 6" midrange propagator and 3½" VHF tweeter provide sparkling reproduction of highs. Overall response, 40-16,000 cps. Precision tuned-port enclosure has acoustically transparent cane grille. Handsome oiled walnut veneer finish. Just 22x12x8", fit on shelves, mantles—anywhere. You also get all connecting cables and Allied's System Booklet. Less amplifier case, changer base. Wt., 92 lbs. Shipped express.

22 HF 013-G. Specify Cartridge. *$10 Monthly.* **199.95**

95 DU 019-G. Knight KN-255A Stereo FM-AM Tuner (see p.92) Less case, below. 10 lbs. *$7 Monthly* **139.95**

OPTIONAL CASES. Fit KN-950A or KN-255A, above.

95 DX 039-G. Brown Metal Case. 4 lbs. **5.95**
95 DX 022-G. Walnut Wood Case. 5 lbs. **12.95**
95 DX 457-G. Walnut Changer Base. 4 lbs. **3.95**



Better 50-Watt System

$249.95 $13 monthly

Alternate 3-Way Walnut Speaker System Kits

Better 50-Watt Stereo System—Save $57.80

All components in system at left, but has Two Knight KN-2260K 3-Way Walnut Speaker System Kits in place of KN-3005's. Employ 12" high-compliance woofer with ¾-lb. ceramic magnet, 8" midrange speaker with 10-ounce magnet, compression horn tweeter with 2.5-ounce magnet for 30-20,000 cps response. Easy to assemble (takes one hour) and finish with oil supplied. 25x17x8". Less amplifier case, changer base, tuner, at left. 118 lbs. Express.

22 HF 014-G. Specify Cartridge. *$13 Monthly.* **249.95**

IF YOU PREFER . . .
You may make your own system selection and also save money

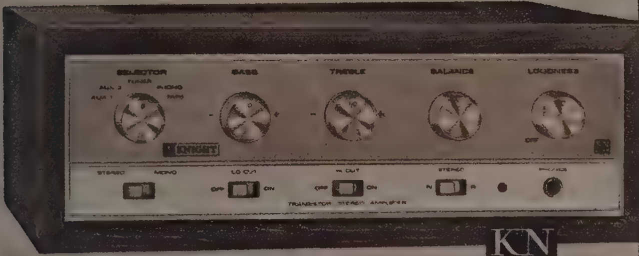
Save 21% on Custom 50-Watt Stereo Systems

FEATURING KNIGHT KN-950A DELUXE STEREO AMPLIFIER

Deluxe System **$299.95** **$15 monthly**

HERE'S HOW YOU SAVE

Knight KN-950A 50-Watt Solid-State Stereo Amplifier	119.95
Garrard A-70 Automatic Turntable	84.50
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-2300A 3-Way Walnut Shelf Speaker Systems	159.90
TOTAL	$382.30
Allied Price	$299.95
YOU SAVE	**$82.35**



Shown in Optional Case

KN 950A

KN 2300A

Shown on Optional Base

Garrard A-70

YOUR CHOICE OF CARTRIDGE

Empire 880 | Pickering V-15/AT-1 | Shure M7/N21D

Custom 50-Watt Solid State System—Save $82.35 off Individual Catalog Prices

Finest 50-Watt System

$329.95

$16 monthly

KN 2350

Alternate 3-Way Walnut Systems

Finest 50-Watt Stereo System—Save $92.35

Includes all components in system at right, but has **Two Knight KN-2350 3-Way Walnut Speaker Systems** in place of KN-2300A's. 12" high-compliance acoustic suspension woofer with 1¾-lb. magnet, plus compression dome VHF tweeter for superb 20 to above 20,000 cps response. Handsomely finished in oiled walnut veneer with nubby gold grille cloth. 14x25x12". Less amplifier case, changer base, at right. 128 lbs. Shipped express.

22 HF 016-G. Specify Cartridge. *$16 Monthly*......**329.95**

KN-950A AMPLIFIER is transistorized for superb performance. No heat, hum, microphonics or distortion—provides 50 watts of the cleanest stereo you've ever heard. Also has deluxe input and control facilities. See page 92.

A-70 AUTOMATIC TURNTABLE gets the most out of your records. Plays all speeds and sizes, has gentle pusher-type changing mechanism, powerful 4-pole motor, balanced pickup arm. Works manually or automatically.

CARTRIDGE you choose has a long-lasting diamond needle. Supplied in plug-in head for A-70.

KN-2300A SPEAKER SYSTEMS sound great, thanks to 12" high-compliance acoustic suspension woofer, compression-horn midrange and compression tweeter. Provide superb 25-20,000 cps response without resonant peaks or boominess. 14x25x13½". Finished in attractive oiled walnut veneer on four sides.

You also get all connecting cables and Allied's system Booklet. Less amplifier case, changer base, below. Shpg. wt., 130 lbs. Shipped express.

22 HF 015-G. Specify Cartridge. *$15 Monthly*.......**299.95**

95 DU 019-G. KN-255A Solid-State FM-AM Tuner (see p. 92) Less case, below. 10 lbs. *$7 Monthly*...............**139.95**

OPTIONAL CASES. Fit KN-950A or KN-255A, above.

95 DX 039-G. Brown Metal Case. 4 lbs...............**5.95**

95 DX 022-G. Walnut Wood Case. 5 lbs..............**12.95**

73 RX 056-G. Garrard Base For A-70. Attractively crafted oiled walnut finish. Shpg. wt., 4 lbs...............**3.90**

Are the components you want shown in our system listings? If not, write our Audio Division for a price quote. You'll get savings comparable to those offered on systems listed on these pages. You always get more for your money when you buy your hi-fi from Allied!

KNIGHT

100-Watt Stereo Hi-Fi Systems

FEATURING KNIGHT KN-999 ALL-TRANSISTOR STEREO AMPLIFIER WITH ADVANCED SOLID-STATE CIRCUITRY FOR FINEST MUSIC REPRODUCTION

KN
999
KN
2281

Shown in Optional Case

Garrard A-70
Shown on Optional Base

YOUR CHOICE OF CARTRIDGE

Empire 880 · Pickering V-15/AT-1 · Shure M7/N21D

Deluxe System **$319.95** $16 monthly

HERE'S HOW YOU SAVE

Knight KN-999 100-Watt Solid-State Stereo Amplifier	179.95
Garrard A-70 Automatic Turntable	84.50
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-2281 3-Way Walnut Shelf Speaker Systems	99.90
TOTAL	$382.30
Allied Price	$319.95
YOU SAVE	**$62.35**

Deluxe 100-Watt Solid-State Stereo System—Save $62.35 Off Catalog Prices

KN-999 AMPLIFIER offers latest solid-state transistor circuitry for superb music reproduction without microphonics or hum. Provides powerful 100-watt output, has a full array of front-panel controls and stereo inputs for every conceivable music source. See page 94.

GARRARD A-70 CHANGER combines turntable performance with changer convenience. Plays all speeds and sizes; has 4-pole motor, oversize turntable, balanced arm.

CARTRIDGE you choose has a long-lasting diamond needle. Mounted in plug-in head for A-70.

KN-2281 SPEAKER SYSTEMS offer true 3-way design for wide-range 30-18,000 cps response. A 10″ high-compliance woofer with ¾-lb. ceramic magnet provides full rich bass. 3½″ midrange and 3½″ tweeter smoothly reproduce highs. Only 13½x23¾x10″, offer many placement possibilities. Handsome oiled walnut finish blends with any decor.

You also get all cables and Allied's System Booklet. Less amplifier case, changer base, below. Shpg. wt., 108 lbs. Shipped express.

22 HF 019-G. Specify Cartridge. *$16 Monthly*...... **319.95**

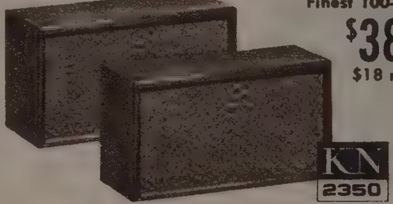
95 DU 017-G. KN-265 Stereo Multiplex FM-AM Tuner (see specifications on page 94)
Less case, below. 14 lbs. *$8 Monthly*.............. **179.95**

OPTIONAL CASES. Fit KN-999 or KN-265, above.

95 DX 038-G. Brown Metal Case. 4 lbs................ **5.95**

95 DX 023-G. Walnut Wood Case. 8 lbs............. **14.95**

73 RX 056-G. Garrard Base. Handsomely finished in oiled walnut. Shpg. wt., 4 lbs............................ **3.90**



Finest 100-Watt System
$389.95
$18 monthly

Alternate 3-Way Walnut Speaker Systems

Finest 100-Watt Stereo System—Save $92.35

Includes deluxe components in system at left, but has Two **Knight KN-2350 Deluxe 3-Way Walnut Speaker Systems** in place of KN-2281s. Employ 12″ acoustic suspension high-compliance woofer with huge 1¾-lb. magnet, compression dome midrange with 1-lb. magnet, compression dome tweeter with 6-oz. magnet. Provide superb 20 to over 20,000 cps response. In handsome oiled walnut veneer. A compact 14x25x12″. Less amplifier case, changer base, listed at left. Shpg. wt., 136 lbs. Express.

22 HF 020-G. Specify Cartridge. *$18 Monthly*...... **389.95**

IF YOU PREFER . . .
You may make your own system selection and also save money

Save on Superb 70-Watt Stereo FM-Phono Systems

FEATURING KNIGHT KN-370 STEREO MULTIPLEX FM-AM RECEIVER

Shown in Optional Case

KN 370

Deluxe System 379^{95} $18 monthly

HERE'S HOW YOU SAVE

Knight KN-370 70-Watt Stereo Multiplex FM-AM Receiver	279.95
Garrard A-70 Automatic Turntable	84.50
Choice of Shure M7/N21D, Empire 880, Pickering V-15/AT-1	17.95
Two Knight KN-3002 2-Way Walnut Shelf Speaker Systems	39.90
TOTAL	$422.30
Allied Price	$379.95
YOU SAVE	**$42.35**

KN 3002

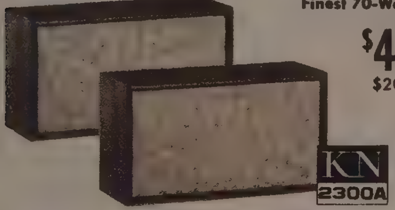
Garrard A70

Shown on Optional Base

YOUR CHOICE OF CARTRIDGE

Empire 880 Pickering V-15/AT-1 Shure M7/N21D

Deluxe 70-Watt Stereo Music System—Save $42.35 Off Individual Catalog Prices



KN 2300A

Finest 70-Watt System

449^{95}

$20 monthly

Alternate Acoustic Suspension Speaker Systems

Finest 70-Watt Stereo System—Save $92.35

Includes deluxe components at right, but has **Two Knight KN-2300A Deluxe 3-Way Walnut Speaker Systems** in place of KN-3002's. Utilize 12" acoustic suspension high-compliance woofer with 1½-lb. magnet, compression-horn midrange radiator with 1-lb. magnet and compression-type tweeter. Bring you wide 25-20,000 cps response. Handsome hand-rubbed oiled walnut veneer finish; nubby gray grille cloth. Just 14x25x13½". Less receiver case, and changer base, listed at right. 153 lbs. Express.

22 HF 018-G. Specify Cartridge. *$20 Monthly*.......**449.95**

Are the components you want shown in our system listings? If not, write our Audio Division for a price quote. You'll get savings comparable to those offered on systems listed on these pages. You always get more for your money when you buy your hi-fi from Allied!

KN-370 RECEIVER delivers powerful 70 watts of superb sound. Brings you sensitive stereo FM reception, plus regular FM and AM. On FM, the multiplex circuit automatically switches to stereo, and lights an indicator. Has full complement of controls and stereo inputs, headphone jack, plus many more deluxe features. See page 96.

A-70 RECORD CHANGER offers deluxe performance. Plays all record speeds and sizes. Has quiet 4-pole motor, oversize turntable, precision-balanced pickup arm.

CARTRIDGE you choose has a long-lasting diamond needle to protect your records. In plug-in head for A-70.

KN-3002 SPEAKER SYSTEMS employ 8" woofer with heavy ceramic magnet for full rich bass. A 3½" direct-radiator tweeter with electrical crossover network gives sparkling highs. Specially designed tuned-port enclosure permits extended 50-15,000 cps response without peaks or resonances. Compact 12⅜x15x9", place them anywhere. Handsome contemporary oiled walnut finish with hand-rubbed veneers, cane grille cloth.

You also get all connecting cables and Allied's System booklet. Less receiver case, changer base, below. Shpg. wt., 101 lbs. Shipped express.

22 HF 017-G. Specify Cartridge. *$18 Monthly*......**379.95**

95 DX 055-G. Brown Metal Case. For KN-370. 9 lbs...**12.95**

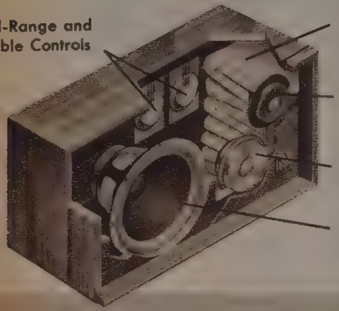
95 DX 057-G. Walnut Case. For KN-370. 10 lbs......**23.95**

73 RX 056-G. Garrard Base. Attractively Styled oiled walnut finish. Shpg. wt., 4 lbs...............................**3.90**

KNIGHT
SPEAKER SYSTEMS

New! Our Finest Speaker System

WITH ACOUSTIC-SUSPENSION 12" WOOFER AND TWO COMPRESSION SPEAKERS


Mid-Range and Treble Controls
100% Filled with Glass Wool (some not shown)
VHF Compression-Type Dome Tweeter
Mid-Range Compression Dome Unit
12" Woofer Features Critical Magnetic Damping

Compares With $225.00 Systems

The KN-2350 has the same excellent specifications as $225.00 speaker systems. Only Knight offers a deluxe professional system at a price this low.

Individual mid-range and treble balance controls permit custom contouring of response curve

Rear panel has dual terminal strip that permits operation of woofer or mid-range and tweeter alone for precision balancing

Solid walnut sculptured moldings. Decorated with pale gold nubby pattern acoustic grille

KN
2350

3-Way Acoustic-Suspension 12" Shelf System

$99.95
$5 monthly

- Knight's Finest . . . So Acoustically Fine It's Destined to Become Our Most Popular Speaker System
- Actual Tests Show the KN-2350 Beats the Hi-Fi Specs of Nationally Known $225.00 Speaker Systems

A triumph in audio reproduction! In the planning stage, it was specified that the KN-2350 would be our best speaker system ever, that it would meet or exceed the performance of some of the most expensive "compacts" on the market, and that its price would fall well below the others. Each requirement was met! Our own audio experts (who hear the finest systems day after day) were amazed when given the "blindfold test." They couldn't tell the difference in sound reproduction between the KN-2350 and other shelf-size systems selling for as high as $225.00.

First-rate engineering and carefully matched components tell the tale. Big 12" high-compliance Acoustic-Suspension woofer offers critical magnetic damping and heavy magnet structure for amazingly faithful transient response. Reproduces lowest orchestral passages with incredible realism. Mid-range and tweeter units cover the range from 1000 cps to over 20,000 cps with startling clarity. Enclosure is filled (not just padded) with glass wool to avoid resonance. Solid ¾" hardwood with fine walnut furniture veneers. 14x25x12". Made in U.S.A. Shpg. wt., 45 lbs.

97 DU 557-G. *$5 Monthly*.......................................99.95

SPECIFICATIONS

Frequency Response: 20 cps to beyond the audio range.

Woofer: 12" Acoustic-Suspension type. Voice-coil excursions, over 1". 1¾-lb. ceramic magnet. Flux, 11,500 gauss. 1¼" voice coil. Response, 25-1000 cps.

Mid-Range Speaker: Compression dome-type. Heavy 1-lb. ceramic magnet. Flux density, 16,600 gauss. 1¼" voice coil. Response, from 1000-5000 cps.

Tweeter: Compression dome-type. 5 oz. ceramic magnet. 1" voice coil. Response, extends beyond the audio range.

Crossover: Huge 2-lb. copper air-core inductor. Crossovers at 1000 and 5000 cps. Mid-range and treble level controls.

Capacity: 35 watts (for stereo amplifiers to 70 watts, peak, per chan.). Requires 14 watts min., for best performance.

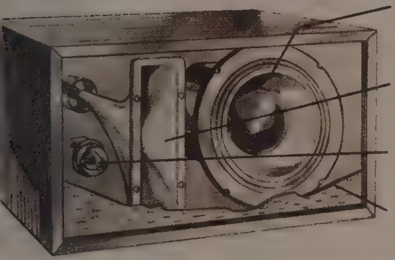
Impedance: 8 ohms.

Get Your Speaker System Now . . Use Your Allied Credit Fund

ew Acoustic-Suspension System

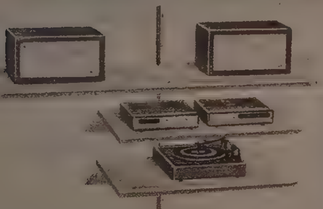
KNIGHT
SPEAKER SYSTEMS

WITH HIGH-COMPLIANCE 12″ WOOFER PLUS TWO COMPRESSION SPEAKERS


12″ Acoustic-Suspension Woofer with Cloth Surround
Deluxe Compression-Type Mid-Range Diffraction Horn
Compact Compression-Type High-Frequency Driver
Tweeter Level Control (located behind woofer)

Compares With $128.00 System

The KN-2300A meets the same specifications as systems selling for $128.00. Only Knight offers a professional-rated system at this low price!



ecision design and components
exceptionally smooth re-
onse and true-to-life sound
oughout the audio spectrum

oofer is suspended on special
th surround for high compli-
ce and efficency. Requires
y 10 watts of power.

mpression mid-range
m and compression tweeter
wide-range reproduction

KN
2300A

3-Way Deluxe 12″ Shelf-Size System

79^{95} $5 monthly

- Our Popular KN-2300 Restyled and Improved, Yet Cut $20.00 from Last Year's Catalog 230 Price
- Actual Tests Show the KN-2300A Beats the Hi-Fi Specs of Nationally Known $128.00 Speaker System

nest speaker system you can buy at this price. For listening enjoyment
at's positively thrilling at a cost that's incomparably low, get the new KN-
00A. Acoustic-Suspension 12″ woofer features a special high-compliance
th surround that permits not only large voice-coil excursions for handling
h power, but also permits excellent performance with stereo amplifiers
ed as low as 10 watts per channel. Reproduces bass frequencies down to
cps . . . low enough to delight even the more critical listener. Unusually
ge mid-range speaker combines high-flux-density magnet, aluminum voice
l, and ring diaphragm . . . assures maximum efficiency, low moving mass,
d good higher-frequency response.
mpression ring-radiator tweeter has excellent dispersion and a response
20,000 cps. Ring diaphragm helps prevent diaphragm break-up distortion.
vel control adjusts frequencies above 1000 cps—instead of rolling-off
her frequencies, it offers step-effect cut similar to that in professional
uipment. ¾″ hardwood; walnut veneer. Gray nubby grille cloth. 14x25x
½″. Made in U.S.A. Shpg. wt., 46 lbs.
DU 503-G. *$5 Monthly*. 79.95

SPECIFICATIONS

Frequency Response: From 25 cps to beyond 20,000 cps

Woofer: 12″ Acoustic-Suspension type. Large voice-coil excursions. 1½-lb. ceramic magnet. Flux, 12,000 gauss. 2″ voice coil. Response, 25-1000 cps.

Mid-Range Speaker: Compression horn-type driver with wide-dispersion Cycolac diffraction horn. 1.47-oz. Alnico V magnet. Flux density, 7000 gauss. 1″ aluminum voice coil. Response, from 1000 to 4000 cps.

Tweeter: Compression-type high-frequency driver with concentric horn for wide dispersion. 1.47 oz. Alnico V magnet. 1″ voice coil. Response, beyond 20,000 cps.

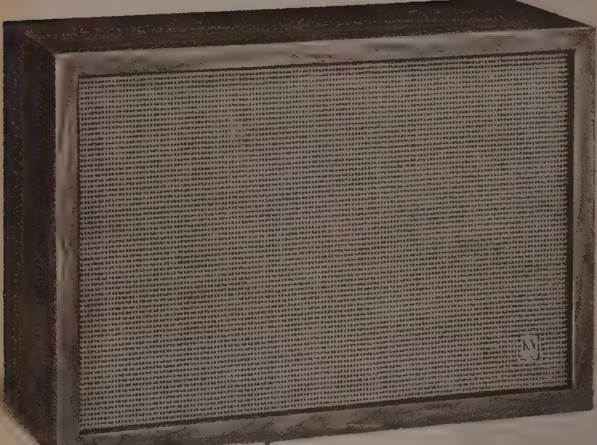
Crossovers: 1000 and 4000 cps. Level control.

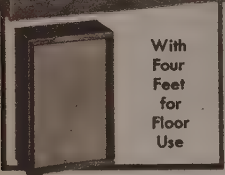
Capacity: 30 watts (for stereo amplifiers up to 60 watts, peak, per channel).

Impedance: 8 ohms.

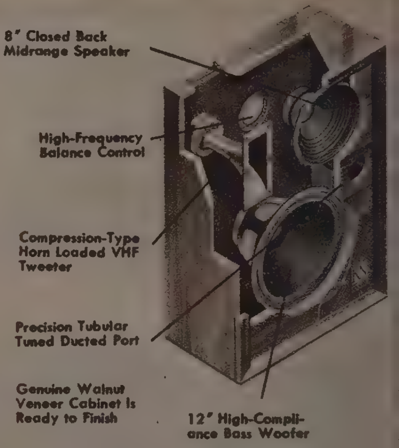
KNIGHT

Thin-Line Speaker System Kit





KN
2260

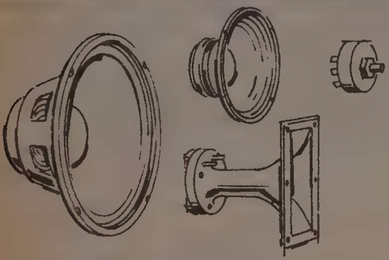

8″ Closed Back Midrange Speaker
High-Frequency Balance Control
Compression-Type Horn Loaded VHF Tweeter
Precision Tubular Tuned Ducted Port
Genuine Walnut Veneer Cabinet Is Ready to Finish
12″ High-Compliance Bass Woofer

Do-It-Yourself Kit Form

$59⁹⁵ $5 monthly

Assembled and Finished

$69⁹⁵ $5 monthly



Perfectly Matched Speakers!

Balanced bass, midrange and treble reproducers give efficient sound—with any amplifier.

KN-2260 SPECIFICATIONS

Frequency Response: 30 to 20,000 cps.

Woofer: 12″ high-compliance type with ¾-lb. ceramic magnet, 1″ voice coil. Covers 30-3000 cps.

Midrange: 8″ enclosed-back cone-type with 10-oz. ceramic magnet, 1″ voice coil. Covers 3000-8,000 cps.

Tweeter: Compression-type with alloy die-cast horn, 2½-oz. ceramic magnet, ⅝″ voice coil, 140° dispersion. Covers 8,000-20,000 cps.

Crossover: electrical at 3000 and 8000 cps.

Capacity: 25 watts, 50 watts peak.

Impedance: 8 ohms.

Enclosure: tuned-port reflex type.

Knight KN-2260K 3-Way Hi-Fi Speaker System Kit

- Easy to Assemble—You Need Only a Screwdriver
- Sanded and Ready to Finish—Just Apply Oil with a Soft Cloth
- Everything Included—Even Wire, Finishing Oil, Instructions
- Provides Modern Beauty and Top Sound Reproduction at Low Cost

Get dazzling music reproduction plus graceful, ultra-slender decorator styling with this fabulous speaker system kit. Three perfectly matched speakers give you wide response that pleases every ear. Beautifully styled enclosure fits any room decor, offers you virtually unlimited placement possibilities in your home.

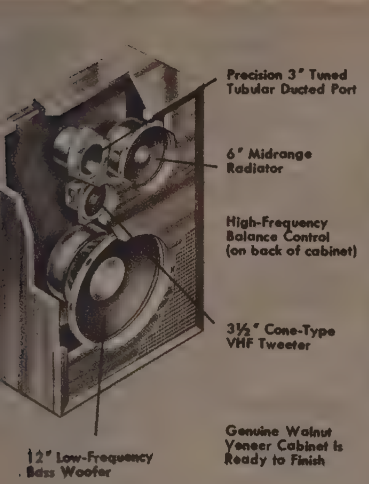
A 12″ high-compliance woofer has ¾-lb. ceramic magnet and 1″ voice coil for smooth bass down to 30 cps. 8″ enclosed-back midrange radiator with ¾-lb. ceramic magnet provides pleasing reproduction of important middle frequencies. Compression tweeter has die-cast alloy horn for sparkling treble response. Reflex enclosure utilizes acoustic insulation and precision-tuned ducted port design to eliminate annoying resonances. Acoustically transparent cane grille cloth assures proper dispersion of high frequencies.

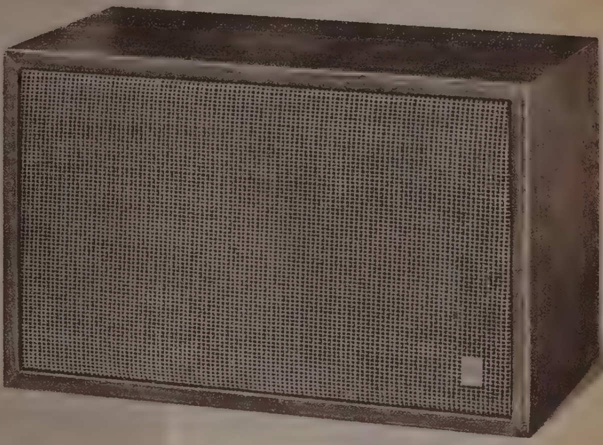
Assembly is accomplished in short order—less than a couple of hours. Screw holes are pre-drilled, speakers are pre-mounted on baffle board, grille cloth is attached to front. You merely attach wires to screw-type speaker terminals, following the easy instructions, then affix the front and back to enclosure. Finishing is easy because the fine walnut veneer has been pre-sanded and readied. Just apply finishing oil with a soft cloth. Quickly dries to a handsome, professional finish. With hardware, wire, oil finish, four feet, instructions. 25x17x8″. Made in U.S.A. 43 lbs.

97 DU 555-G. Kit Form. *$5 Monthly* **59.95**

97 DU 556-G. Assembled and Finished in Oiled Walnut..... **69.95**

New 3-Way Speaker System Kit by KNIGHT


Precision 3" Tuned Tubular Ducted Port
6" Midrange Radiator
High-Frequency Balance Control (on back of cabinet)
3½" Cone-Type VHF Tweeter
Genuine Walnut Veneer Cabinet Is Ready to Finish
12" Low-Frequency Bass Woofer



Do-It-Yourself Kit Form

$39.95 $5 monthly

You Can Put It Together In Less Than an Hour With a Screwdriver

KN 3030K

Knight KN-3030K 3-Way Speaker System Kit

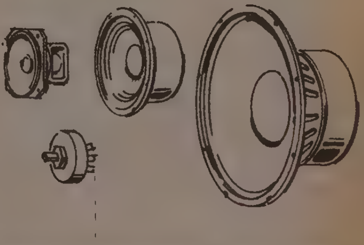
- Goes Together Fast . . . Finish by Applying Oil with a Soft Cloth
- Grille Cloth Already Mounted on Baffle Board
- You Get Everything Needed—Wire, Finishing Oil, Instructions
- Space-Saving Size Provides a Host of Placement Possibilities

A convincing example of uncompromising Knight craftsmanship. Achieves new goals in neat, space-saving design and full rich sound at a true economy price. Assemble the components and finish the enclosure yourself—it's easy to do. Brings smart decorator styling to your listening room, plus beautifully realistic music reproduction.

A 12" bass woofer with husky 10-oz. Alnico V magnet and 1¼" voice coil gives rich, full lows down to 35 cps. 6" midrange radiator has 3.16-oz. Alnico V magnet, ¾" voice coil for smooth middle frequencies. 3½" tweeter disperses sparkling treble over a wide listening area. Electrical crossovers at 400 and 5000 cps smoothly channel each segment of the audio spectrum to the proper reproducing element. Solid ¾" hardwood enclosure utilizes acoustic insulation, carefully tuned vented port, and acoustically-transparent cane grille cloth to match inner sound-reproducing components. Rear-mounted control lets you adjust treble response to suit your personal taste and listening room acoustics.

You assemble it in less than an hour. Screw holes are pre-drilled for you, speakers are already mounted on the baffle board, grille cloth is attached to the front. Merely attach the wires to the speaker screw terminals, affix front and back to the enclosure. It's simple to follow the easy instructions. Then apply the finishing oil with a soft cloth. Quickly dries. Size, 14½x24x10". Complete with all hardware, wire, oil finish, instructions. Made in U.S.A. Shpg. wt., 33 lbs.

97 DU 539-G. *$5 Monthly*........................... **39.95**



Perfectly Integrated Components!

Because components are matched to each other and to the enclosure, you get beautiful sound.

KN-3030K SPECIFICATIONS

Frequency Response: 35 to 17,000 cps.

Woofer: 12" high-compliance type with 10-oz. Alnico V magnet, 10,200 gauss flux density, 1¼" voice coil. Covers 30-800 cps.

Midrange: 6" cone-type with 3.16-oz. Alnico V magnet, 9400 gauss flux density, ¾" voice coil. Covers 200-10,000 cps.

Tweeter: 3½" cone-type direct radiator with 1.47-oz. Alnico V magnet, 8200 gauss flux density. 9/16" voice coil. Covers 2500-17,000 cps.

Crossover: electrical at 400 and 5000 cps.

Capacity: 30 watts program; 60 watts peak.

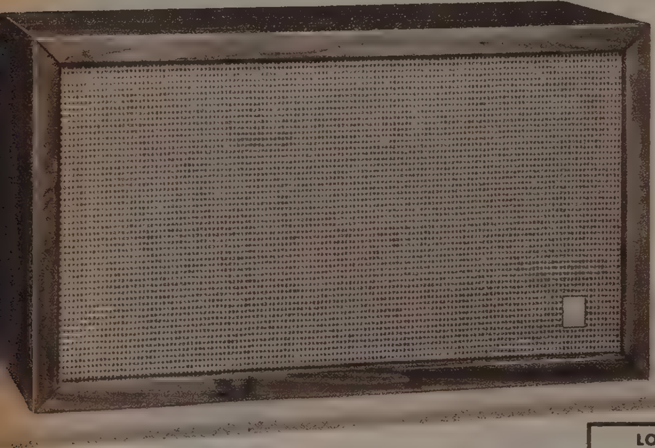
Impedance: 8 ohms.

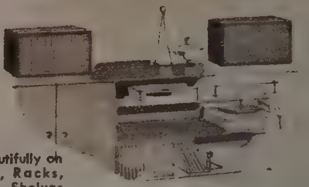
Enclosure: tuned-port reflex type.

KNIGHT

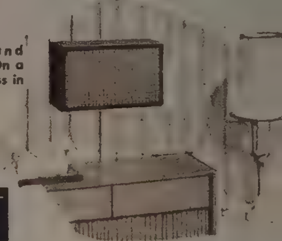
Finest 2-Way Speaker System

OFFERS DELUXE PERFORMANCE AND STYLE AT LOW COST





Fits Beautifully on Tables, Racks, Benches, Shelves and Mantels



Compact and Neat. Hang On a Wall or Recess in Wall Niche

KN
2281

New Knight KN-2281 2-Way Shelf Speaker System

$49.95

$5 monthly

- Level Control Adjusts High Frequencies
- Large 10″ High Compliance Woofer
- Handsomely Finished in Oiled Walnut Veneer

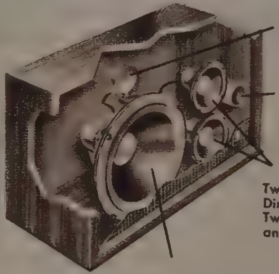
Highlighting remarkable performance and modern decorator styling, the new KN-2281 delivers far more impressive sound than comparably priced speaker systems. Its tastefully styled cabinet offers you virtually unlimited placement possibilities in your home. Set it on shelf, table or mantel; place it on floor; hang it from wall; recess it in niche. Wherever the KN-2281 is, it looks great and sounds great. Reproduction quality really upgrades low-priced music systems—again proves that true high fidelity need not be expensive.

Why does the KN-2281 sound so good? It's a combination of Knight's advanced acoustical engineering and precision-made sound reproducing elements. Each of these sound elements is perfectly matched to the ducted port enclosure—which is itself tuned like a fine musical instrument. The 10″ high compliance woofer utilizes a powerful 10-oz. Alnico V magnet, 1½″ voice coil and a long throw ¾″ cone excursion for outstanding bass reproduction. Goes all the way down to 30 cps. Efficient resistor-capacitor type crossover network smoothly channels all audio frequencies above 2000 cps to the twin 3½″ tweeters. Each tweeter features a specially designed enclosed back; provides sparkling reproduction of midrange and highs. Widely dispersed high frequencies pass freely through the stylish, natural cane grille cloth.

Carefully assembled and tested by experts to rigid Knight specifications, each KN-2281 Speaker System features an audible response of 30 to 18,000 cps. A midrange-tweeter balance control on the rear of the speaker permits you to adjust high-frequency response to suit your personal listening taste and to match the acoustics of the room in which the KN-2281 is placed. The ¾″ hardwood cabinet is expertly constructed, vibration-free and carefully finished in handsome hand-rubbed oiled-walnut veneer that blends perfectly with any room decor. Size, 13½x23¾x10″. Made in U.S.A. Shpg. wt., 31 lbs.

97 DU 554-G. *$5 Monthly*............................**49.95**

LOOK INSIDE THE NEW KNIGHT KN-2281


Tweeter Level Control
Carefully Tuned Ducted Port Is Adjusted for Lowest Distortion and Uniform Frequency Response
Two 3½″ Enclosed-Back Direct-Radiator VHF Tweeters for Midrange and Treble Reproduction
10″ High-Compliance Woofer Features 10-Oz. Alnico V Magnet, 1½″ Voice Coil and ¾″ Cone Excursion for Big Bass

KN-2281 SPECIFICATIONS

10″ Woofer

Two 3½″ Tweeters

Level Control

Frequency Response: 30 to 18,000 cps.

Enclosure Type: Tuned ducted-port.

Woofer: 10″ cone with 10-ounce Alnico V magnet. Flux density, 7100 gauss. 1½″ voice coil, ¾″ cone excursion. Response: 30-2000 cps.

Tweeters: two 3½″ direct-radiator types with Alnico V magnets and enclosed backs. ⅜″ voice coils. Response extends to 18,000 cps.

Crossover: Resistor-capacitor type at 2000 cps, with level control.

Capacity: 30 watts (may be used with stereo amplifiers rated up to 60 watts per channel).

Rated Impedance: 8 ohms.

xtra-Value Hi-Fi Speaker Systems

KNIGHT

ight KN-3005 3-Way Shelf Speaker System

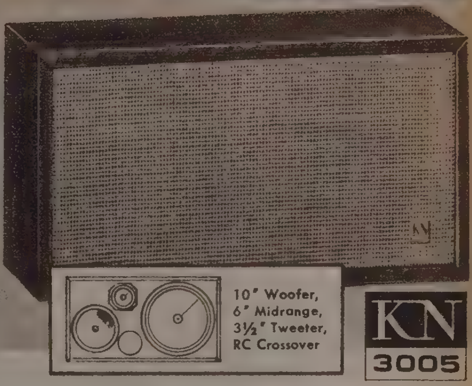
$29⁹⁵

$5 monthly

- Place it Anywhere—Measures Only 8" Deep
- Closed-Back High-Frequency Tweeter
- Handsome Oiled Walnut Veneer Finish

best sounding, best looking 3-way high fidelity shelf aker system you can get anywhere near this tremensly low price. Just right for use in moderately-priced eo music systems or as a truly deluxe extension speaker. vides rich, full sound across the sound spectrum that's easure to hear. Perfectly matched sound reproducing ponents include an efficient 10" woofer with a 6.8-ce Alnico V magnet and 1" voice coil; 6" mid-range aker with 3.16-oz. magnet, ¾" voice coil; stiff cone e closed-back tweeter with 1.47-oz. magnet, 9/16" e coil, and a capacitor-type crossover network. All ponents are precisely mounted in a carefully designed ted port enclosure. Tweeter is acoustically isolated; r assurance of complete freedom from annoying distor- caused by speaker interaction. Attractively styled enure is constructed of sturdy ¾" hardwoods with a uine oiled walnut veneer finish. Attractive, acoustically sparent cane grille cloth. Size, 12x22x8". Made in .A. Shpg. wt., 30 lbs.

U 537-G. *$5 Monthly*......................**29.95**



KN-3005 SPECIFICATIONS

Response: 40-16,000 cps. **Woofer.** 6.8-oz. magnet, 1" voice coil. **Midrange:** 3.16-oz. magnet, ¾" voice coil. **Tweeter:** 1.47-oz. magnet, 9/16" voice coil. **Crossover:** RC type, 4000 cps. **Capacity:** 20 watts (40 watts peak). **Impedance:** 8 ohms.

Enjoy Excellent High-Fidelity Performance at Low Cost

ight KN-3002 2-Way Shelf Speaker System

$19⁹⁵

5 monthly

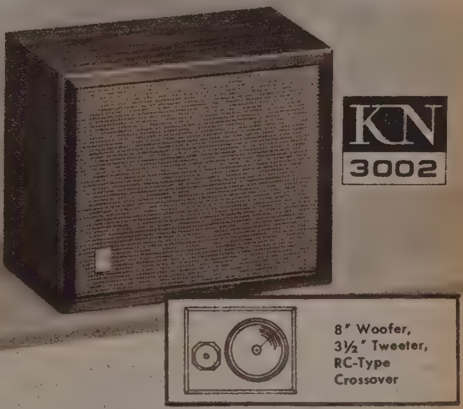
- Our Lowest Cost True 2-Way System
- Great for Economy Music Systems
- Real Oiled Walnut Veneer Finish

viding excellent music reproduction at low cost, this shelf speaker system features true 2-way design— separate low and high-frequency reproducing elets. It's perfect for use as an extension speaker or in s as the sound-reproducing elements of a budgettching stereo music system.

tures an 8" low-frequency woofer with powerful 6-ce magnet for rich, full bass response down to 50 cps. uilt-in resistor-capacitor type crossover network nnels all frequencies above 4000 cps to the efficient " direct-radiator VHF tweeter. Widely disperses s—reproducing midrange and treble to beyond the 00 cps rating.

dy ¾" hardwood cabinet is expertly designed and tructed to complement both sound-reproducing nents. Provides low-distortion wide-range response out peaks or boominess. Matching cane grille cloth acoustically transparent to highs. Handsomely bed in genuine hand rubbed oiled walnut veneer. venient terminal strip connection. Size, 12⅜x15x9". de in U.S.A. Shpg. wt., 20 lbs.

X 535-G. *$5 Monthly*...................**19.95**



KN-3002 SPECIFICATIONS

Frequency Response: 50-15,000 cps. **Woofer:** 8" with 6-oz. magnet, 1" voice coil. **Tweeter:** 3½" cone with 1.47-oz. Alnico magnet, 9/16" voice coil. **Crossover network:** Resistor-capacitor type at 4000 cps. **Capacity:** 15 watts (may be used with stereo amplifiers rated up to 30 watts peak per channel). **Impedance:** 8 ohms.

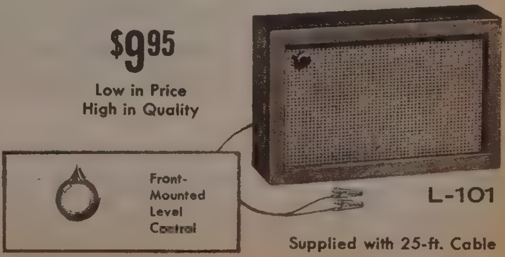
COLN Model L-101 Extension Speaker

dsomely styled and modestly priced. Use this excel- performer as an extension speaker for your hi-fi, no, radio or TV set—or purchase a pair for use as of a low-cost stereo system. Large 7x5" oval PM aker has 9/16" voice coil; offers excellent response. nt-mounted level control lets you adjust volume t at the speaker. 11½x7¼x3½". Genuine walnut eer enclosure has smart cane grille. 25-ft. cable has gator clips. Imp., 8 ohms. Shpg. wt., 5 lbs.

X 533-G...................................**9.95**

$9⁹⁵

Low in Price
High in Quality



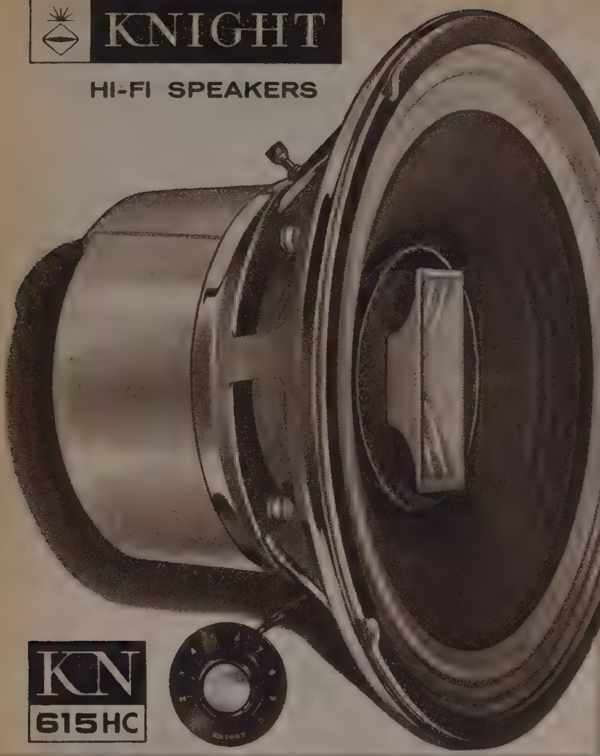
Supplied with 25-ft. Cable

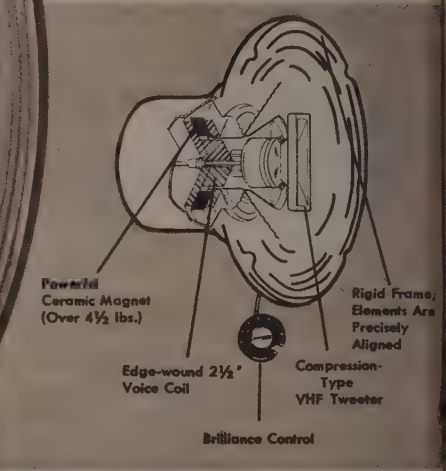
KNIGHT

HI-FI SPEAKERS

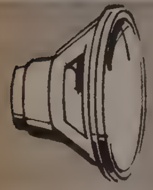
Knight's Finest . . . Deluxe 15″ 3-Way

COMPARES WITH
SPEAKERS COSTING
$115.00 OR MORE

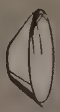



Powerful Ceramic Magnet (Over 4½ lbs.)
Edge-wound 2½″ Voice Coil
Brilliance Control
Compression-Type VHF Tweeter
Rigid Frame; Elements Are Precisely Aligned

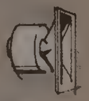
SPECIFICATIONS



Giant 15″ Woofer



Midrange Cone



Compression VHF Tweeter

Free-Air Resonance Frequency
25 cps

Overall Frequency Response
20 to 20,000 cps

Crossover Frequencies
Mechanical, 2000 cps
Electrical, 3500 cps

Power Capacity
50 watts (can be used with stereo amplifiers up to 80 watts per channel)

Magnet Weight
Woofer, over 4½ lbs.
Tweeter, 6.8 oz.

Magnet Material
Ring-type ceramic

Flux Density
14,500 gauss

Voice-Coil Ribbon
Woofer, 2½″ edgewound copper
Tweeter, 1″ edgewound alum.

Rated EIA Sensitivity
53 db

Nominal Impedance
16 ohms

Speaker Mounting Depth
8¼″

Recommended Enclosures

The Knight KN-615HC speaker works well in any 15″ speaker enclosure. We recommend the Knight speaker enclosures on pages 122 and 123.

Model KN-615HC 15″ 3-Way Speaker

$69.95

$5 monthly

- Compares With $115 Units
- 20 to 20,000 cps Response
- Brilliance Control Included

Knight's finest! Performs on a par with other speakers costing $115 or more. Gives you the maximum in low-frequency reproduction, plus extremely clean midrange and thrilling high-frequency response. No other speaker at this price comes even close to matching the magnificent audio quality of Knight's best performer.

Immense 15″ high-compliance woofer provides deep, rich bass down to 20 cps. The midrange cone, with mechanical crossover at 2000 cps, lends added presence to the middle frequencies for exciting concert-hall realism. Built-in electrical crossover, directs frequencies above 3500 cps to the compression-type VHF tweeter, with rectangular diffraction horn, for wide dispersion of crystal-clear highs.

Super-powerful magnet assures high power-handling capacity and excellent damping. Precision copper-ribbon voice coil and other moving elements are kept in precise alignment by the rigid cast-alloy frame. Calibrated brilliance control permits adjustment of high-frequency response to suit room acoustics and your own listening taste. Convenient screw-type binding-post terminals. 15⅛″ diameter; 8¼″ overall depth. Made in U.S.A. Shpg. wt., 30 lbs.

97 DU 502-G. *$5 Monthly*.............. **69.95**

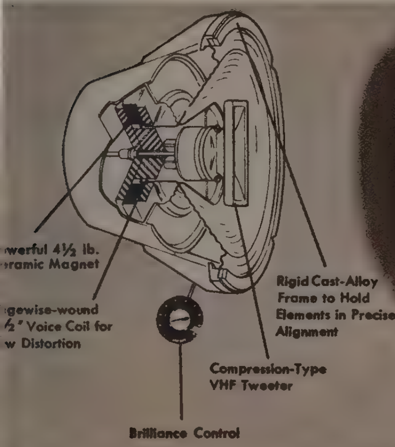
Knight Speakers Give You the Most for Your Hi-Fi Dollar

Knight's Best 12″ Speaker! Full-Range 3-Way Design

KNIGHT

HI-FI SPEAKERS

COMPARES WITH SPEAKERS SELLING FOR OVER $100.00


werful 4½ lb.
ramic Magnet
gewise-wound
½″ Voice Coil for
w Distortion
Rigid Cast-Alloy Frame to Hold Elements in Precise Alignment
Compression-Type VHF Tweeter
Brilliance Control

Model KN-612HC 12″ 3-Way Speaker

- Surpasses $100 Speakers
- 30 to 20,000 cps Response
- Brilliance Control Included

$59.95
$5 monthly

nightʼs KN-612HC, crowned king of 12″ speakers its price range, gives you surprisingly powerful nd natural bass response, crisp, clear mid-range, nd pure treble. Convincing evidence of Knight's *tra* value.

nclosure size and type of loading are not critical r the KN-612HC. Its super-efficient 4½-lb. ceamic magnet, and 12″ high-compliance woofer with n unusually low resonance frequency, team up to rovide outstanding bass response in any enclosure. Iid-range radax cone with a mechanical crossover t 2000 cps, gives exceptional presence for dramatic, you-are-there" realism. Electrical crossover diverts equencies above 3500 cps to the compression-type HF tweeter. The tweeter's rectangular diffraction orn assures distribution of high frequencies over n extremely wide area.

recision copper-ribbon voice coil and other movng elements are maintained in precision alignment y the rigid cast-alloy frame. Calibrated brilliance ontrol, on 36″ cable, makes it easy to adjust treble esponse exactly to room acoustical requirements, nd your personal listening preferences. Convenient crew-type binding post terminals for quick, easy onnection to any amplifier. Speaker depth is 7½″. Iade in U.S.A. Shpg. wt., 30 lbs.

7 DU 501-G. *$5 Monthly* **59.95**

SPECIFICATIONS

12″ Woofer
Midrange Cone
Compression Tweeter

Free-Air Resonance Frequency
40 cps

Overall Frequency Response
30 to 20,000 cps

Crossover Frequencies
Mechanical, 2000 cps
Electrical, 3500 cps

Power Capacity
35 watts (can be used with stereo amplifiers up to 70 watts per channel)

Magnet Weights
Woofer, 4½ lbs.
Tweeter, 6.8 oz.

Magnet Material
Ring-type ceramic

Flux Density
14,200 gauss

Voice Coils (Edgewound)
Woofer, 2½″ copper ribbon
Tweeter, 1″ aluminum ribbon

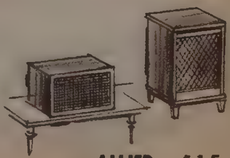
Rated EIA Sensitivity
53 db

Nominal Impedance
16 ohms

Speaker Mounting Depth
7½″

Recommended Enclosures

The KN-612HC speaker works well in any enclosure. We recommend the Knight KN-1286(page117)or Knight floor enclosures (page 122).



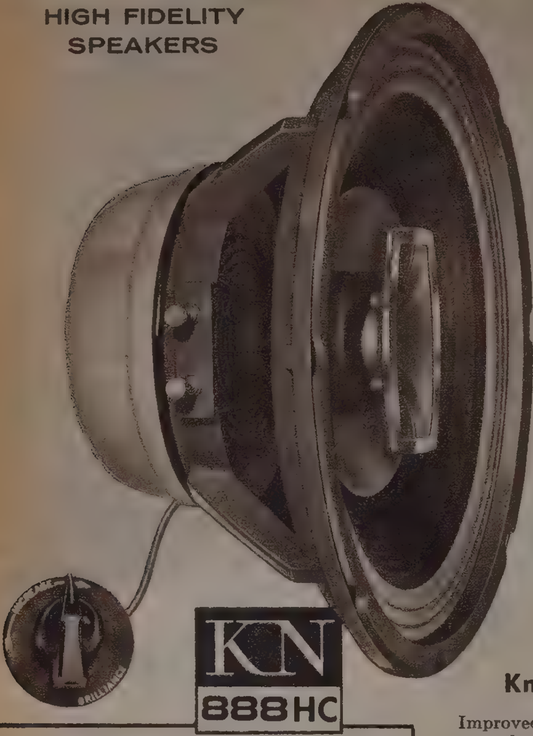
New Deluxe 12″ Hi-Fi Speaker

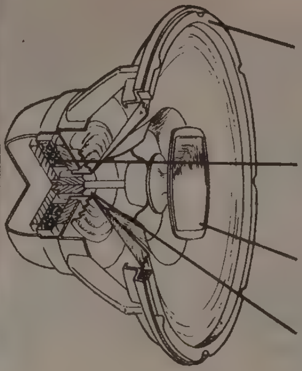
YOU GET SUPERBLY CLEAN SOUND AT AN AMAZINGLY LOW PRICE

$34.95

$5 monthly

- Previous Model Was $39.95
- Bass Response Down to 25 Cps
- Works Well in Any Enclosure





Rigid Die-Cast Frame Holds All Moving Elements in Precise Alignment

Deluxe Ceramic Magnet Develops Powerful Concentrated Flux for High Efficiency and Best Bass

New Compression-Type Tweeter More Widely Disperses Highs

Precision Voice Coil Accurately Centered for Low Distortion

Knight KN-888HC 12″ 3-Way Speaker

Improved version of the famous KN-800HC offers proven 3-element design for efficient and unusually dependable performance—brings you smooth, natural sound that cannot be equaled by other speakers in its price range. What's more, this versatile speaker gives you outstanding reproduction in any type of enclosure you may choose, and performs well even when used with low-power high-fidelity amplifiers.

The big 12″ woofer utilizes a special high-compliance cone and a precision-centered 1½″ voice coil. Axially mounted mid-range radiator cone smoothly reproduces the middle frequencies. Woofer and mid-range elements are driven by a deluxe ring-type ceramic magnet that develops a powerful concentrated flux—provides excellent damping for solid bass and distinct, natural-sounding mid-range. Specially designed compression-type tweeter with diffraction horn disperses sparkling, crystal-clear highs over a wide listening area. Also includes heavy Alnico V magnet for efficient reproduction.

Unusually realistic presence is achieved through careful matching of the three sound-reproducing elements. A mechanical crossover operating at 2000 cps separates bass and midrange units, and a capacitor-type crossover channels highs above 4000 cps to the tweeter unit. A calibrated brilliance control on a cable adjusts tweeter to match room acoustics. Massive cast alloy frame holds moving elements in perfect alignment. Binding post terminals. Made in U.S.A. 15 lbs.

97 DX 553-G. *$5 Monthly* **34.95**

KN-888HC SPECIFICATIONS

12″ Woofer

Mid-Range Cone

Tweeter

Free-Air Resonant Frequency: 25 cps.

Overall Frequency Response: 25 to 19,000 cps.

Crossover Frequencies: Mechanical, 2000 cps. Electrical, 4000 cps.

Power Capacity: 25 watts (may be used with stereo amplifiers rated up to 50 watts per channel).

Magnet Weight: Woofer, 1¾ lbs. Tweeter, 4.65 oz.

Magnet Material: Woofer, ring-type ceramic. Tweeter, Alnico V.

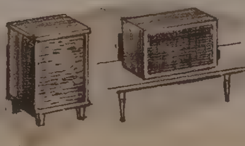
Flux Density: Woofer, 12,650 gauss. Tweeter, 13,500 gauss.

Voice Coil: Woofer, 1½″. Tweeter, 1″.

Rated EIA Sensitivity: 53 db.

Rated Impedance: 8 ohms.

Speaker Mounting Depth: 6⅜″.



Recommended Enclosures

The KN-888HC works well in any 12″ speaker enclosure, but we recommend the Knight speaker enclosures on page 122 and the KN-1286 on page 117.

Knight Speakers Give You the Most for Your Hi-Fi Dollar

owest Priced 3-Way 12″ Speaker

KNIGHT

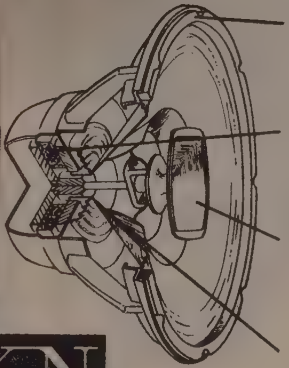
Has High-Compliance
fer Cone for Better-
Ever Bass Response

ENJOY BETTER-THAN-EVER SOUND AT LOWER-THAN-EVER COST

$\$22^{50}$

$5 monthly

- Three Separate Elements
- Bass Response Down to 25 Cps
- Great Sound In Any Enclosure



Rigid Die-Cast Frame Securely Holds All Moving Elements in Precise Alignment

13-Ounce Magnet is Ceramic Type for Higher Efficiency and Better Bass Response

Compression-Type VHF Tweeter Has Built-In Electrical Crossover and a Level Control—Complete with Cable

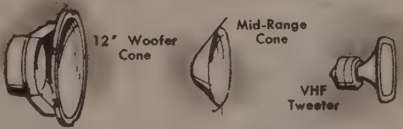
Precision Wound 1¼″ Pure Copper Voice Coil Assures Minimum Distortion, Long Life

KN 830HC

ew Knight KN-830HC 12″ 3-Way Speaker

lly improved version of the popular KN-830, now at a
r price than ever before! Incorporates the latest de-
pments in acoustic engineering to bring you flawless
frequency response for stunning sound. Performs ex-
ntly in floor or shelf-type enclosures. Heavy die-cast
e holds moving elements in precision alignment. The
woofer unit now utilizes a special long-excursion high-
pliance cone with precision-wound multi-layer copper
e coil for superb bass down to 25 cps. A mechanical
sover at 2000 cps channels the middle tones to the
lly-mounted midrange cone, imparting exciting "pres-
." Efficient 13-ounce ring ceramic magnet provides
ent damping for clean sound. Compression-type VHF
ter utilizes rectangular horn for efficient dispersion of
s. Calibrated level control with 30″ cable adjusts
ter response. Handy binding post terminals. Made in
A. 13 lbs.
X 552-G. *$5 Monthly*........................**22.50**

KN-830HC SPECIFICATIONS

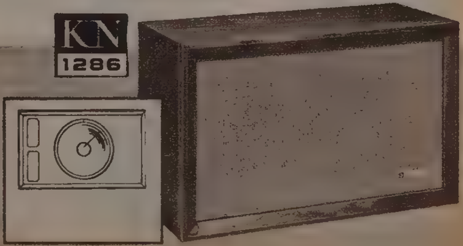


Free-Air Resonant Frequency: 30 cycles per second.
Overall Frequency Response: 25 to 18,000 cps.
Crossovers: 2000 cps and 4000 cps.
Power Capacity: 20 watts program (use with amplifiers up to 40 watts per channel).
Magnet: 13-ounce ceramic (flux density, 11,500 gauss).
Voice Coil Diameter: woofer, 1.25″; tweeter, 1″
Rated EIA Sensitivity: 47.2 db.
Rated Impedance: 8 ohms.
Speaker Mounting Depth: 6⅜″.

Knight KN-1286 Vented-Port Enclosure

e reduced $5.00 from last year. Recommended for any
speaker, including single, 2 and 3-way types. Ideal en-
ure for use with the KN-830HC, above. Features de-
construction details, space-saving size, smart appear-
. Fitted fiberglas acoustic lining, heavy ¾″ paneling,
ed-port design for extended range and natural bass.
four sides finished in genuine oiled walnut veneer.
terminal strip for fast hookup. 14¾x24x12″. Made
.S.A. Shpg. wt., 29 lbs.
U 531-G. *$5 Monthly*........................**24.95**

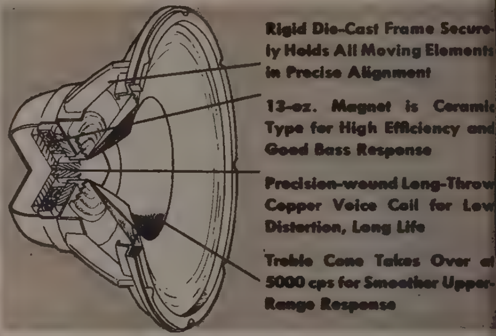
KN 1286



KNIGHT

New!

Our Lowest-Cost 12″ Speaker


Rigid Die-Cast Frame Securely Holds All Moving Elements in Precise Alignment
13-oz. Magnet is Ceramic Type for High Efficiency and Good Bass Response
Precision-wound Long-Throw Copper Voice Coil for Low Distortion, Long Life
Treble Cone Takes Over at 5000 cps for Smoother Upper-Range Response

KN-822HC SPECIFICATIONS

Free-Air Resonance Frequency: 30 cps.
Overall Frequency Response: 25-13,000 cps
Crossover Frequency: Mechanical, 5000 cps
Power Capacity: 20 watts program (use with amplifiers up to 40 watts peak per channel).
Magnet Weight: 13 ounces
Magnet Material: Ceramic
Flux Density: 11,500 gauss
Voice Coil Diameter: 1 ¼ inches
Rated Impedance: 8 ohms
Speaker Mounting Depth: 6 ⅜ inches.

KN-822HC 12″ Hi-Fi Speaker

$12.95

- Compare Price and Features . . Only Then Can You Appreciate This Exciting Value
- 12″ High-Compliance Woofer
- Dual Cones for Extended Bass Response

The KN-822HC is our newest entry into the field of efficient and dependable speakers at unusually low prices. Wide-range reproduction without shrillness is assured by the time-proven dual-cone design. High-compliance 12″ woofer delivers solid bass down to 25 cps—performs magnificently on very low musical passages. A mechanical crossover channels all frequencies above 5000 cps to the high-frequency radiator, a small cone that efficiently handles the important mid-range frequencies and the upper audio range. A solid die-cast frame, the foundation of all good speakers, keeps the voice coil and other parts from moving out of position and causing distortion.

Heavy-duty coil form is sealed against dust. Also prevents shorts and distortion-causing rubs, permits permanent centering of all sound-reproducing elements. Precision-wound 1¼″ voice coil boasts high efficiency . . gives you more volume for every watt from your amplifier.

Because of its low resonant frequency, the KN-822HC is an excellent performer in *any* enclosure capable of handling 12″ speakers. We highly recommend our low-cost shelf-size KN-1286 found on page 117. If you're interested in a deluxe floor model, see our presentations on page 122. Speaker has convenient binding-post terminals for quick, solderless connection. Made in U.S.A. Shpg. wt., 11 lbs.

97 DX 551-G **12.95**

KN-425 High-Frequency Package

VHF Tweeter
Crossover/L-Pad
KN
425

$18.50

- Extends the Treble Response of Your Single-Cone or 2-Way Speaker All the Way Up to 18,000 Cycles Per Second
- For "Any" Woofer
- Level Control Adjusts Brilliance

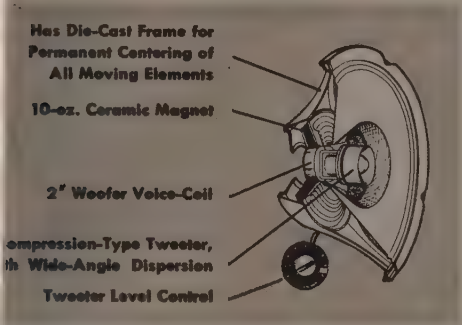
There's no finer or easier way to add brilliant "highs" to your present system! Package offers superior performance —the result of top-notch components. Includes: VHF tweeter with 6-oz. Alnico V magnet; L-C crossover in sealed housing; and an integral L-pad level control. Tweeter boasts a flanged, cast exponential horn with diffraction principle to achieve wide 180° dispersion of highs. Response: 3000 to 18,000 cps. Capacity: 25 watts (in conjunction with woofer). Crossover: 3500 cps. Impedance: 8 to 16 ohms. Shpg. wt., 3 lbs.

97 DX 504-G **18.50**

Purchase Knight Speakers with Your Allied Credit Fund

owest Priced 8" 3-Way Speaker

KNIGHT


Has Die-Cast Frame for Permanent Centering of All Moving Elements
10-oz. Ceramic Magnet
2" Woofer Voice-Coil
ompression-Type Tweeter, th Wide-Angle Dispersion
Tweeter Level Control

KN 839

-839 Featuring Deluxe 3-Way Design

19^95 monthly

- Has Woofer, Mid-Range Unit and Tweeter
- Frequency Response from 45 to 18,000 cps
- Includes Level Control for Tweeter
- Fits Shelf-Size Enclosure Shown Below

al pace setter. Performs on a par with more expensive kers when compared on a point by point basis. Features: 1) deluxe 3-way design—consists of an 8" woofer separate mid-range cone, and an electrically and stically independent tweeter; 2) level control for ading tweeter brilliance to suit your personal taste and n acoustics; 3) wide response—covers frequencies from ps all the way up to 18,000 cps. Woofer highlights a z. magnet and 2" voice coil for clean sound. Bore-fire pression-type tweeter widely disperses smooth highs out harshness. Made in U.S.A. Shpg. wt., 8 lbs.

X 500-G. *$5 Monthly* **19.95**

KN-839 SPECIFICATIONS

Resonance: 65 cps

Frequency Response: From 45 to 18,000 cps

Crossover Frequencies: Mechanical at 2000 cps; electrical at 3500 cps

Capacity: 20 watts program (for amplifiers to 40 watts/channel, peak)

Woofer Magnet: 10 oz., ceramic

Tweeter Magnet: 1.47 oz., Alnico V

Flux: 8500 gauss

Voice Coils: 2", 1"

EIA Sensitivity: 45 db

Rated Impedance: 8 ohms

Mounting Depth: 3⅞"

ur Lowest-Priced 8" Features Two-Way Design

- An Improved Version of Last Year's KN-809, Yet Actually Priced Lower
- A True High-Fidelity Speaker Designed for a Response from 50 cps to 13,000 cps

$8^95

w, deluxe version of our popular KN-809. A mid-range iator has been added for good treble response, but the e has been "reduced" from $9.95 to $8.95. The KN-A is a genuine hi-fi speaker—brings you fine sound at prising low cost. Just right for moderately priced music tems, or for upgrading your radio or phono. Makes a erb extension speaker . . solves the problem of institus that would like background hi-fi music, but are rected by limited budgets. Response: 50-13,000 cps. pacity: 15 watts (use with amplifiers up to 30 watts k per channel). Impedance, 8 ohms. Depth: 3$\frac{5}{16}$". Fits losure below. Made in U.S.A. Shpg. wt., 4 lbs.

DX 550-G.......................................**8.95**

New!
KN 809A
Die-Cast Frame
10-Ounce Magnet
1" Voice Coil
New Mid-Range Radiator

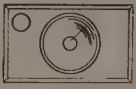
-1284A Enclosure for 8" Speakers

$17^95

- Sold for $19.95 in Last Year's Catalog
- Extremely Compact, Measures Only 10x20x9" Deep

r best buy ever in a shelf-size speaker enclosure. For l, shelf, or floor, Use it in horizontal or vertical position. avy ¾" wood paneling. Oiled walnut veneer. Beige cane le. Fiberglas acoustic lining. Terminal strip. Made in .A. 15 lbs.

DU 532-G......................................**17.95**



Ducted-Port Design for Extended Bass

KN 1284A

KNIGHT

STEREO HEADSETS

Hi-Fi Stereo . . In Complete Privacy

Built-In Volume Controls
Set Balance, Volume at Your Chair
New!
KN 876

Supreme $19.95

$5 monthly

Supreme KN-876 Stereo Headset

- Volume Control on Each Earphone for Perfect Balance Adjustment
- Separate Control Center Not Required for Balance and Volume
- Crystal-Clear Frequency Response from 16 cps to 16,000 cps
- 8-foot Cord and Plug Included
- Comfortable to Wear

Have you tried stereo headset-listening? If not, a remarkable new experience awaits you. You will be "surrounded by sound." You will hear sound from the left, right and middle, from the front, even from "behind" you! Channel separation is unexcelled. And there's no need to remain in a fixed listening area to get optimum stereo realism. *Individual volume controls* offer fingertip adjustment of balance and loudness . . . no separate control center needed. Comfortable polyfoam ear cushions and stainless steel headband are vinyl covered. Cushions remove for cleaning. Dynamic driver elements. Brown and tan. Impedance: 3-16 ohms. With 8-ft. cord, std. ¼" phone plug. Made in U.S.A. Shpg. wt., 1½ lbs.

97 DX 576-G. *$5 Monthly*.............................**19.95**

Deluxe Foam-Rubber Ear Cushions

For the ultimate in headset usage! Extra-soft. Ideal for extended listening periods. Virtually eliminate room noise. 8 oz.

97 D 574-G. For KN-876 Only..............**2.69**

Deluxe $14.95

New!

Deluxe KN-875 Stereo Headset

- Low in Cost, Yet the KN-875 Lends "First-Nighter" Excitement to Every Stereo Broadcast, Record, or Tape Recording
- 3½" Dynamic Transducers Maintain Uniform Response from 20 to 16,000 cps for Excellent Bass and Treble

The stereo realism you get with this headset simply cannot be duplicated by regular speaker systems. Each earcup houses a precision transducer in an acoustic chamber—you enjoy maximum channel separation, greatly reduced external noise, and crisp 20 to 16,000 cps response. You're surrounded by living sound that puts you in "front-row" center. Soft, virgin-foam-plastic earmuffs permit long periods of comfortable listening. Virtually unbreakable brown earcups and beige headband are removable for cleaning. Adjusts to fit anyone. Impedance: 4-16 ohms. With 8-foot cord, std. ¼" phone plug. Made in U.S.A. Shpg. wt., 1½ lbs.

97 DX 575-G...**14.95**

GAIN
SPEAKERS
KNIGHT
STEREOPHONES

New! Adjust Volume From Your Chair . . Save Steps **$7.95**

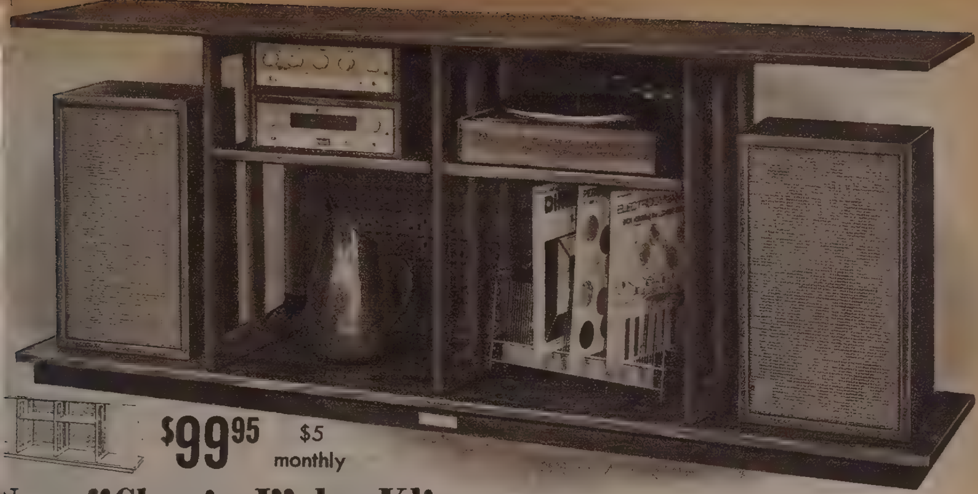
KN-879 Remote Control for Two Headsets

- Lets You Control Volume of Two Headsets from Chairside
- Switch for Turning Your Hi-Fi System's Speakers On or Off
- Operates With Any Stereo Headsets—Singly or in Pairs

The height of convenience! Has separate controls for adjusting the volume of one or two stereo headsets. A switch turns your music system's speakers on or off so that you can listen through your headset with or without the speakers. Works with any stereo headsets. Headset input jacks accept standard ¼" phone plugs. Gold and brown. Extremely compact, only 2¾x2x4". Less cable, below. Shpg. wt., 1½ lbs.

97 DX 577-G...**7.95**

47 T 508. 5-Conductor Cable..............25-Foot Roll for **1.18**



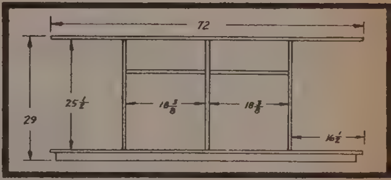
$99^{95} $5 monthly

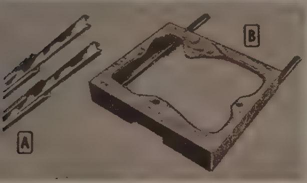
New "Classic I" by Kliewer

Six Feet of Handsome Walnut . . . a Distinctive Addition to Your Fine Furniture
Has Room for Tuner, Amplifier, Record Changer, and Records or Tape Recorder

ersatile cabinet integrates all your prized hi-fi components into an unusually handome console. Hand-crafted of high-quality woods and tastefully finished in handubbed oiled walnut veneer to add an exquisite accent to your components. Tuner nd amplifier shelves are both adjustable vertically. 16" deep. Shipped from factory Idaho. Allow 3 weeks for shipment. No C.O.D. orders. Freight charges collect. hpg. wt., 100 lbs.

97 DZ 149-G. *$5 Monthly*....................................99.95





A Phono Drawer Slides

5" SLIDES. Heavy steel slides for use with ny record-changer base. Feature ball-bearngs for smooth, quiet, almost effortless olling action. Normal travel extension is 1". Shpg. wt., 7 lbs.

2 R 046........................1.90

2 R 047. 13" Slides. As above......**1.90**

2 R 048. Heavy-Duty 18" Slides. Normal xtension is 16". Wt., 8 lbs...........**3.50**

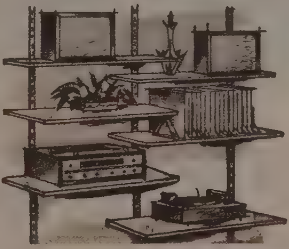
B Ready-to-Finish Record Changer Bases With Slides

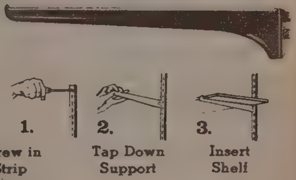
Made of smooth-sanded wood that is readyo-finish with the stain or paint of your hoice. Includes drawer slides with smoothction steel ball bearings. Constructed of 4" and ⅜" panels. Cutout for hand pull on ront of base. Size, 3½" high, 16¼" wide, 4½" deep. Av. shpg. wt., 11 lbs.

tock No.	Pre-cut for	EACH
3 RX 275	Knight 990A	
3 RX 276	Allied, Ensign	
3 RX 042	Webcor 1000 Series	
3 RX 048	Garrard A70, "A"	7.75
3 RX 045	Garrard AT60, AT6, "50", Autoslims	
3 RX 049	Uncut with blank top	

A "Custom Look" in Only Minutes

NEW LUSTRA "600" SHELF HARDWARE





Now you can do your own customizing with only a screwdriver! Lustra "600" shelf hardware enables you to arrange your hi-fi components in all kinds of striking settings. Variations in positioning are unlimited, except by your own imagination . . . and no special mechanical skill is required. For extra-long shelving, use two pairs of strips and supports. Anodized aluminum with decorative, lifetime finish; will never rust, corrode, or tarnish.* Statuary bronze especially recommended for walnut shelving. With mounting screws. See shelving below.

Mounting Strips (Upright for Walls)

Length	Wt., Oz.	Natural Silver Stock Number	PER PAIR	Brushed Gold/Bronze Stock Number	PER PAIR	*Statuary Bronze Stock Number	PER PAIR
2 feet	10	97 DX 178-G	.99	97 DX 181-G	1.20	97 DX 184-G	1.20
3 feet	13	97 DX 179-G	1.49	97 DX 182-G	1.80	97 DX 185-G	1.80
4 feet	16	97 DX 180-G	1.99	97 DX 183-G	2.39	97 DX 186-G	2.39

Support Arms (Shelf Brackets)

8 inches	4	97 DX 187-G	.85	97 DX 190-G	1.06	97 DX 193-G	1.06
12 inches	5	97 DX 188-G	1.04	97 DX 191-G	1.19	97 DX 194-G	1.19
16 inches	8	97 DX 189-G	1.32	97 DX 192-G	1.49	97 DX 195-G	1.44

Handsome Oiled Walnut Shelves

Installation couldn't be easier . . . shelves fit snugly on top of shelf supports.

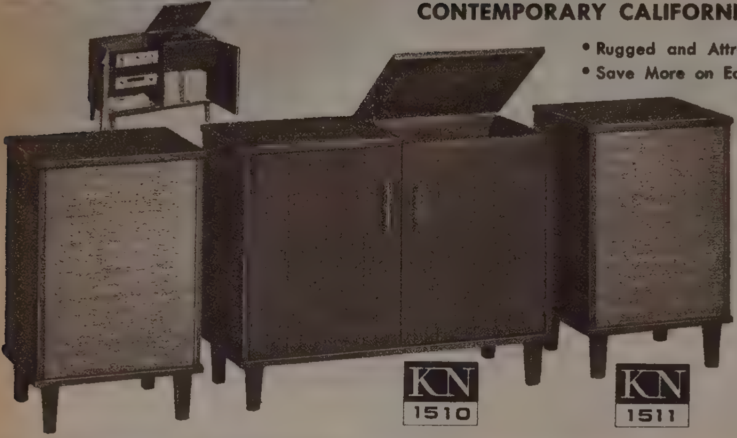
Width	Depth	Wt. in Lbs.	Stock No.	EACH
42 inches	8 inches	15	97 DU 300	5.88
42 inches	12 inches	20	97 DU 301	8.69
42 inches	16 inches	30	97 DU 302	11.79

KNIGHT

Distinctive Hi-Fi Furniture

CONTEMPORARY CALIFORNIA RANCH ENSEMBLE

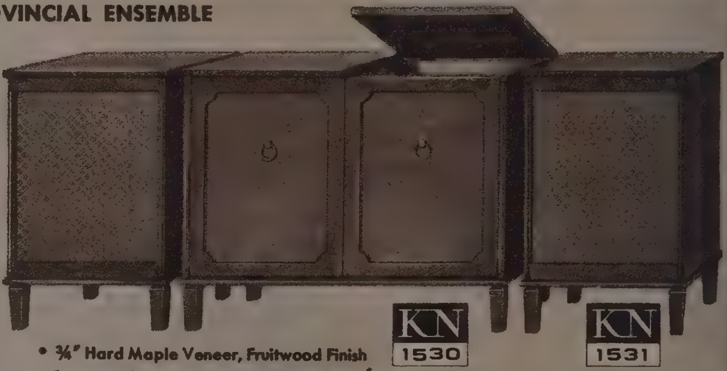
- Rugged and Attractive ¾" Walnut Veneer
- Save More on Easily Assembled Kit Models



Equipment Cabinet	
Kit	Assembled
$74.95	$89.95
$5 monthly	$5 monthly
Speaker Enclosure	
Kit	Assembled
$34.95	$44.95
$5 monthly	$5 monthly
3-Piece Ensemble	
Kit	Assembled
$139.95	$179.50
$7 monthly	$9 monthly

AUTHENTIC ITALIAN PROVINCIAL ENSEMBLE

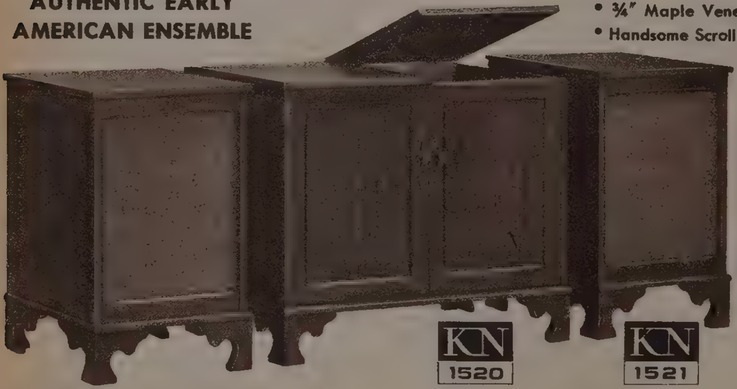
Equipment Cabinet	
Kit	Assembled
$84.95	$99.95
$5 monthly	$5 monthly
Speaker Enclosure	
Kit	Assembled
$39.95	$49.95
$5 monthly	$5 monthly
3-Piece Ensemble	
Kit	Assembled
$159.95	$199.50
$8 monthly	$10 monthly



- ¾" Hard Maple Veneer, Fruitwood Finish
- Specially Selected Matching Hardware

AUTHENTIC EARLY AMERICAN ENSEMBLE

- ¾" Maple Veneer, Honey-Tone Maple Finish
- Handsome Scroll Base and Framed Doors



Equipment Cabinet	
Kit	Assembled
$84.95	$99.95
$5 monthly	$5 Monthly
Speaker Enclosure	
Kit	Assembled
$39.95	$49.95
$5 monthly	$5 monthly
3-Piece Ensemble	
Kit	Assembled
$159.95	$199.50
$8 monthly	$10 monthly

'o Beautify Your Stereo System

KNIGHT

:alifornia Ranch Ensemble, Kit or Assembled

et your stereo system amid an aura of California-inspired gracious-
ess. Elegant 3-piece ensemble is acoustically correct; has a never-
earing air of simplicity. Spacious component cabinet features stylish
-groove paneled doors; lift-top phono compartment for easy, com-
rtable access to turntable or changer without stooping; adjustable
elves in amplifier/tuner compartment. Bass reflex enclosures have
ucted port; baffles pre-cut for 15″ speakers, with 12″ adapter board;
arm brown grille cloth. All units have ¾″ construction, matching
alnut veneer and square tapered legs. Outer dimensions: cabinet,
3¼x36½x16¼″; each enclosure, 28¼x18¼x16¼″. Kit assembles
sily in one evening; holes are pre-drilled—you need only a Phillips
rewdriver. Kit models are sanded, but unfinished. Oil finish can be
sily applied in a few hours. Screws, hardware, oil finish, sand
aper, and pictorial instructions are supplied.

97 **DZ 449-G. Complete Ensemble, Kit Form.** 199 lbs.......... **139.95**
97 **DZ 437-G. Equipment Cabinet Kit Alone.** 95 lbs.............. **74.95**
97 **DZ 438-G. Speaker Enclosure Kit Alone.** 52 lbs.............. **34.95**
97 **DZ 450-G. Complete Ensemble, Assembled.** 199 lbs......... **179.50**
97 **DZ 443-G. Equipment Cabinet Assembled Alone.** 95 lbs....... **89.95**
97 **DZ 444-G. Speaker Enclosure Assembled Alone.** 52 lbs. **44.95**

alian Provincial Ensemble, Kit or Assembled

eluxe period furniture adds charming "Old World" romance of the
alian Renaissance to your home music center. Authentically framed
nel doors with period hardware make the component cabinet a
light to the eye. Features lift-top access to phono compartment
d adjustable shelving in tuner/amplifier compartment. Bass reflex
closures have ducted ports; pre-cut baffles for 15″ speakers; 12″
lapter board; diamond pattern grille, reminiscent of villa leaded
indows. All units have ¾″ construction and square tapered legs.
it and assembled models are pre-finished in fruitwood. Outer di-
ensions: cabinet, 28¼x36¾x16⅜″; each enclosure, 28¼x18½x
3⅜″. Kit assembles easily in one evening—you need only a Phillips
rewdriver. Supplied with screws and hardware.

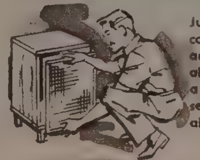
97 **DZ 453-G. Complete Ensemble, Kit Form.** 199 lbs.......... **159.95**
97 **DZ 441-G. Equipment Cabinet Kit Alone.** 95 lbs.............. **84.95**
97 **DZ 442-G. Speaker Enclosure Kit Alone.** 52 lbs.............. **39.95**
97 **DZ 454-G. Complete Ensemble, Assembled.** 199 lbs.......... **199.50**
97 **DZ 447-G. Equipment Cabinet Assembled Alone.** 95 lbs....... **99.95**
97 **DZ 448-G. Speaker Enclosure Assembled Alone.** 52 lbs........ **49.95**

arly American Ensemble, Kit or Assembled

istinctively styled to impart all the traditional warmth and friend-
ness of colonial New England to its surroundings. Engineered to
ring the best out of your stereo components. Component cabinet
atures authentic framed doors with V-groove, planked panels and
ronze period hardware; lift-top phono compartment for easy acces-
bility of turntable or changer; adjustable shelves in versatile ampli-
er/tuner compartment. Matching bass reflex enclosures have pre-cut
affles for 15″ speakers; 12″ adapter board; ducted ports; brown grille
oth. All units are of ¾″ construction, with sculptured scroll base.
it and assembled models are pre-finished in antique honey-tone
aple. Outer dimensions: cabinet, 28¼x36¾x16⅜″; each enclosure,
8¼x18½x16⅜″. Kit easily assembled in one evening with a Phillips
rewdriver. Supplied with screws and all hardware.

97 **DZ 451-G. Complete Ensemble, Kit Form.** 199 lbs.......... **159.95**
97 **DZ 439-G. Equipment Cabinet Kit Alone.** 95 lbs.............. **84.95**
97 **DZ 440-G. Speaker Enclosure Kit Alone.** 52 lbs.............. **39.95**
97 **DZ 452-G. Complete Ensemble, Assembled.** 199 lbs.......... **199.50**
97 **DZ 445-G. Equipment Cabinet Assembled Alone.** 95 lbs....... **99.95**
97 **DZ 446-G. Speaker Enclosure Assembled Alone.** 52 lbs........ **49.95**

IT'S EASY AND THRIFTY TO BUILD KNIGHT FURNITURE



Just one Phillips and one conventional screwdriver and an evening—that's all it takes to assemble a Knight furniture ensemble kit. We supply all materials.

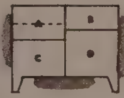
Pictorial Instructions

Oil Finish

Sand Paper

Buy in kit form and enjoy double savings: save by assembling yourself and get extra savings in reduced freight classification. It's so easy to do it yourself. All kits have pre-drilled holes, and include all screws and hardware. Unfinished KN-1510 and KN-1511 kits come with ample supply of 1-coat oil finish and sand paper. Send for FREE copy of assembly instructions. Ask for Stock No. 95 KK 918.

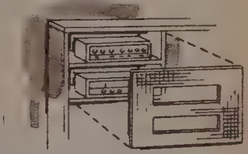
CABINET INNER DIMENSIONS



A and C (Adjustable Shelf): 21¾″ H; 16⅞″ W; 15¼″ D.
B: 8½″ H; 16⅞″ W; 14⅛″ D.
D: 12¾″ H; 16⅞″ W; 15¼″ D.

DRESS PANEL FOR CUSTOM MOUNTING

Only
$2.95



Emphasize beauty of your components with panel; covers front of shelves in equipment cabinet. Available in walnut (to be oiled), fruitwood or maple to match cabinet you buy—specify finish. Supplied uncut; you make cutouts to fit your components. Shpg. wt., 4 lbs.

F97 DX 455C-G.................. **2.95**

SHIPPING INFORMATION

All Knight hi-fi furniture is shipped via truck or express from the factory at Stevens Point, Wisconsin (shipping charges collected by carrier on delivery). When optional dress panel is purchased, it is packed with furniture. Allow extra two weeks for assembled units delivery. No C.O.D. orders can be accepted.

SCOTT Distinguished Stereo Components

Model 340B Stereo FM Receiver

Was $399.95 in Last Year's Big Catalog

$339 95 less case

$16 monthly

Model 380 Stereo FM-AM Receiver

Was $459.95 in Last Year's Big Catalog

$399 95 less case

$18 monthly

Model 340B 70-Watt Stereo FM Receiver

- Auto-Sensor Automatically Switches to FM Stereo
- Precision Tuning Meter
- Speaker Switch and Front-Panel Stereo Headphone Jack
- Tape-Monitor Switch
- Filters for Off-the-Air Stereo Tape Recording
- Separate Speaker Phase-Switch
- Super-Sensitive Silver-Plated FM Front End
- Easy to Install in Any Cabinet

A favorite among critical music listeners. Combines many features of the finest Scott hi-fi components into a single compact unit. This deluxe FM receiver meets all the requirements —exquisite music reproduction, extreme versatility, and Scott's traditional handsome styling. Brings you thrilling stereo multiplex FM and monophonic FM broadcasts. Auto-Sensor circuit detects the presence of a *stereo* FM broadcast and instantly, automatically switches tuner circuit to the stereo mode—panel light flashes on to visually indicate stereo. Full array of inputs, outputs and controls for every program source. Center-channel output directly drives an extra speaker system for "3-channel" stereo. Precision planetary dial-drive for velvet-smooth tuning. Size, 5½"x16¾"x16" deep. Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 41 lbs.

72 SU 546-G. *$16 Monthly* 339.95

72 SX 006-G. Metal Case. Simulated leather covering. Wt., 7 lbs. **15.25**

72 SX 007C-G. Wood Case. Mahogany or walnut. **Specify finish.** 8 lbs. **25.45**

SPECIFICATIONS

MODEL 340B

Power Output: 35 watts IHF Music Power, each channel. **Frequency Response:** ± 1 db, 20-20,000 cps. **Harmonic Distortion:** 0.8% at rated output. **Hum and Noise:** 80 db below rated output. **FM Sensitivity:** 2.2 μv, IHF. **Selectivity:** 35 db. **Signal-to-Noise Ratio:** 60 db. **Drift:** only .0002 of frequency; **Capture Ratio**· 6.0 db; **Spurious Response Rejection:** 80 db; **Calibration Accuracy:** .005 of frequency. **Channel Separation:** more than 30 db. **Inputs:** 4 pairs. **Outputs:** 4, 8, 16 ohms; recording; derived-power center-channel output; stereo headset jack.

MODEL 380

AM Bandwidth Positions: 2. **Power Bandwidth:** ±1 db, 20-20,000 cps. **All other specifications are identical to Model 340B.**

Model 380 70-Watt Stereo FM-AM Receiver

Same deluxe features as Model 340B above, but provides AM reception. Receives monophonic FM and stereo multiplex FM, too. Less case, above. For 110-120 v., 60 cycle AC. Shpg. wt., 41 lbs.

72 SU 556-G. *$18 Monthly* 399.95

New Model 345 64-Watt Stereo FM Receiver . . Engineered for Excellence

$309 95 less case

$15 Monthly

- One of Scott's Best Values Ever
- All the Traditional Advantages of Scott Engineering Superiority

LOW ALLIED PRICE

The 345 is ideal for those who want a fine stereo receiver at lower cost. And it offers new engineering achievements. Low-impedance symmetrical drive gives you amazingly clean audio reproduction. Series-gate, time-switching multiplex, and pulse-suppression limiting deliver quiet, noise-free FM. Sensitive silver-plated RF circuit and massive output transformers are further assurance of its ability to deliver exceptional performance.

Complete audio flexibility is achieved by a wide array of inputs, outputs and controls. Includes: stereo indicator light, tuning eye, clutch-type loudness control, speaker on-off switch, tape monitor switch, front-panel headphone jack, stereo recording filters. 5½x16¾x16". Less case. For 110-120 v., 60 cycle AC. Wt., 36 lbs.

72 SU 575-G. *$15 Monthly* 309.95

72 SX 006-G. Metal Case. Simulated leather. 7 lbs. **15.25**

72 SX 007C-G. **Wood Case.** Mah. or wal.—**specify. 25.45**

SPECIFICATIONS

Power Output: 32 watts IHF Music Power, each channel. **Frequency Response:** ±1 db, 20-15,000 cps. **Harmonic Distortion:** 0.8% at rated output. **Hum and Noise:** 80 db down. **IHF Sensitivity:** 2.2 μv. **Selectivity:** 35 db. **Signal/Noise:** 60 db. **Cross Modulation Rejection:** 80 db. **Inputs:** 4 pairs. **Outputs:** 4, 8, 16 ohms; recording; derived-power center-channel output; stereo headset.

Buy Scott Hi-Fi Components with Your Allied Credit Fund

uperior Music Reproduction

SCOTT

SPECIFICATIONS

Power Output: 40 watts IHF Music Power, each channel. **Frequency Response:** ± 1 db, 20-20,000 cps. **Harmonic Distortion:** 0.8% at rated output. **Hum and Noise:** 80 db down. **Stereo Inputs:** 8 pairs. **Outputs:** 4, 8, 16 ohms; recording; stereo headphone; and derived-power center-channel output. **Controls:** Loudness-Volume, Channel Balance, Bass-Treble (for each channel), Scratch Filter, Rumble Filter, Tape Monitor, 4 Equalization Curves, Speaker On-Off, Phasing Switch, Subsonic Cutoff.

s $229.95
ast Year's
Catalog

$194.95 less case

$10 monthly

Model 299D 80-Watt Stereo Amplifier—Low Allied Price

- **Superior Craftsmanship Ensures Superb Performance**
- **Deluxe Features Offer Maximum Operational Flexibility**
- **Smart Appearance Blends Beautifully with your Decor**
- **Center-Channel and Power Output for Extension Speaker**
- **Speaker Switch for Private Stereo Headphone Listening**
- **Jewel Signal Lights Indicate Mode of Operation**

standing stereo amplifier designed to accommodate every exist-
program signal source, and for music reproduction of breath-
ng realism. Maximum flexibility is obtained by a wealth of inputs,
lization curves, selector switches and controls. Handles low or
-level magnetic phono cartridge, ceramic cartridge, tape head,
monitoring, and even has an equalized input for microphone—
out changing input cables. Separate on-off switch permits pre-
ng of all controls. Switched front-panel headset jack permits
ate stereo listening without the use of speakers. Scott's subsonic
p-cutoff filter prevents power waste due to subaudible rumble
ow 20 cps), warped records, or acoustic feedback. Derived-
er center-channel output directly drives separate speaker system without need for an external amplifier. Special 80-watt output circuit ensures tremendous power even on lowest frequencies. Non-magnetic aluminum chassis dissipates heat rapidly and eliminates hum. Handsome brushed-brass control panel meets Scott's traditional standard of highly attractive appearance. Easy to custom install—. 5¼″ high, 15½″ wide, 13¼″ deep. Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 34 lbs.

72 SU 551-G. *$10 Monthly*........................**194.95**

72 SX 001-G. Metal Case. Simulated leather. Wt., 5 lbs...**11.85**

72 SX 002C-G. Wood Case. Mahogany or walnut—specify. Shpg. wt., 6 lbs.....................................**20.82**

New Model 233 66-Watt Stereo Amplifier—Low Allied Price

$159.95 less case

$8 monthly

- **Plenty of Power to Drive Most Speaker Systems**
- **Speaker Headphone Switch and Private-Listening Stereo Headset Jack on Front Panel**
- **Complete Tape Playback and Monitoring Facilities**
- **Derived-Power Center-Channel Output**
- **Separate Bass and Treble Controls for Each Channel**
- **Speaker Phasing Switch** • **Subsonic Cutoff Filter**
- **Heavy-Duty Output Transformers for Smooth Bass**

t's value leader in amplifier performance and moderate cost.
ted with power and fine features, the "233" has the looks and
bility to make it an all-time favorite. Brings you a wide array
ontrols, inputs and outputs for virtually every stereo and mono-
nic source. Separate bass and treble controls for each channel let you adjust the tone to suit your taste. Scott's balancing system provides equal listening level from both channels. Derived-power center-channel output directly drives "3rd-channel" or remote speaker system without any additional amplifiers. Massive output transformers ensure thrilling, powerful bass response. DC on preamp tubes and all-aluminum, heat-dissipating chassis reduce hum to inaudible levels. Subsonic cutoff filter, below 20 cps, prevents waste of useful power caused by rumble or distorted records. Styled for custom installation—5¼″ high, 15½″ wide, 13¼″ deep. Less case, listed below. For operation from 110-120 v., 60 cycle AC. Shpg. wt. 31 lbs.

72 SU 525-G. *$8 Monthly*........................**159.95**

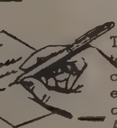
72 SX 001-G. Metal Case. Simulated leather. Wt., 5 lbs...**11.85**

72 SX 002C-G. Wood Case. Available in choice of mahogany or walnut—specify. Shpg. wt., 6 lbs.....................**20.82**

SPECIFICATIONS

Power Output: 33 watts IHF Music Power, each channel. **Frequency Response:** ± 1 db, 20-20,000 cps. **Harmonic Distortion:** 0.8% at rated output. **Hum and Noise:** 80 db down. **Stereo Inputs:** 6 pairs. **Outputs:** 4, 8, 16 ohms; recording; phones; center-channel. **Controls:** Loudness-Volume. Channel Balance, Bass, Treble, Scratch Filter, Tape Monitor, 3 Equalization Curves, Speaker Headset, Phasing Switch.

SPECIAL SAVINGS WHEN YOU BUY YOUR MUSIC SYSTEM AT ALLIED



The best way to get started in stereo is to buy a music system from Allied. You are ensured of perfectly balanced components, selected with great care by our staff of audio experts. You save money, too. Every system carries a big *discount* price tag that offers tremendous savings off of Allied's already low component prices.

See pages 145-147 for Scott Stereo Systems. Or if you prefer to select a system with components of your own choice, write to Allied's Hi-Fi Manager for a money-saving price quotation. You'll get savings comparable to those offered on systems listed in this Catalog. Use Allied's Credit Fund Plan. Take over 2 years to pay.

SCOTT® Famous-Quality Stereo Componen

LOW ALLIED PRICE

$219.95

$11 monthly

Model 312 Transistorized Stereo Multiplex FM Tuner

- **Uses 13 Transistors, 4 Nuvistors and 22 Diodes For Superior Performance**
- **Tape Output Jack Located on Front Panel For Simplified Recording**

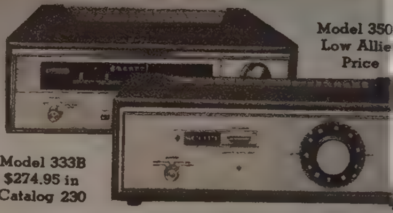
Moderately priced stereo multiplex FM tuner has many features previously available only in deluxe Scott tuners. Its up-to-the-minute, solid state circuitry includes 13 transistors, 4 nuvistors and 22 diodes for cool, stable operation and super-sensitive FM reception from the instant you turn it on. Includes "Time Switching" multiplex circuitry that provides full frequency response with 35 db channel separation and minimal distortion. Exclusive "Auto-Sensor" circuit detects stereo multiplex FM broadcasts, automatically indicating and switching to stereo mode when it does so. Also features dual stereo noise filters, professional-type tuning meter, large, easy-to-read slide rule dial, rear panel output level controls and front panel tape output jack for convenient recording of the many fine stereo or mono programs now on FM. **IHF Sensitivity** 2.2 µv. **Selectivity:** 30 db. **Harmonic Distortion:** 0.8%. **Signal-to-Noise Ratio:** 65 db. **Capture Ratio:** 4 db. **Cross Modulation Rejection:** 80 db. **Controls:** power on-off/dual filter selector; mono/automatic stereo mode selector; tuning control; rear panel level controls for each channel. 5½x15x13½". Less optional cases, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 16 lbs.

72 SU 526-G. *$11 Monthly*........................219.95

72 SX 001-G. Metal Case. Simulated leather. 5 lbs.......**11.85**

72 SX 002C-G. Wood Case. Available in walnut or mahogany finish—**specify choice when ordering**. Shpg. wt., 6 lbs......**20.82**

Scott Stereo Multiplex Tuners



Model 350
Low Allie
Price

Model 333B
$274.95 in
Catalog 230

Model 350D Stereo FM Tuner

New for 1965—an automatic stereo multiplex FM tuner
actually shows you FM signal distortion. A flick of a f
panel switch converts the tuning eye to a multipath distor
indicator. Then, by rotating your antenna and check
the indicator, you can "tune out" multipath distortion
is caused by bounced and reflected FM signals. Ano
amazing feature: "Auto-Sensor" circuitry automatic
detects the presence of a stereo FM broadcast and insta
switches to stereo mode. A stereo indicator light immedia
notifies you of the change. When the stereo progran
over, the 350D automatically returns to monophonic op
tion. Slide-rule tuning dial; tape output jack on front pa
Sensitivity: 2.3 µv IHF. **Signal-to-Noise Ratio:** 60
Response: ±1 db, 50-15,000 cps. **Selectivity:** 35 db.
tortion: 0.8%. **Separation:** 35 db. 5½x15½x13½". Less ca
below. 105-125 v., 50-60 cycle AC. 13 lbs.

72 SU 537-G. *$10 Monthly*..................189.

72 SX 001-G. Metal Case. For 350D above or 333B bel
Simulated leather. Wt., 5 lbs.......................**11.**

72 SX 002C-G. Wood Case. For 350D above or 333B
low. Walnut or mahogany—**specify**. Wt., 6 lbs.....**20.**

MODEL 333B STEREO MULTIPLEX FM-AM TUNER. A
outstanding stereo multiplex FM, plus conventional
and standard AM broadcasts to your stereo hi-fi syste
Highlights temperature-compensated oscillator for practic
ly unmeasurable drift; "Sonic Monitor" that audi
signals when you've tuned a stereo FM broadcast, swit
able AGC for improved subcarrier signal, separ
vernier tuning for FM and AM. **IHF Sensitivity:** 2.5 µv.
sponse: ±1 db, 50-15,000 cps. **Selectivity:** 35 db. 13 tub
13 diodes, rectifier. 5¼x15½x13¼". Less case, above.
105-125 v., 50-60 cycle AC. Shpg. wt., 22 lbs.

72 SU 558-G. *$12 Monthly*..................244.

4000 SERIES

Model 4270 All-Transistor 60-Watt Stereo Amplifier

Solid state circuitry of 27 transistors and 9 diodes produces tonal beauty and purity to satisfy the most critical audiophile. Offers cool operation, instant warmup, low power consumption, imperceptible hum and noise. Features controls, inputs and outputs for every stereo or mono source, plus subsonic and supersonic cut-off filters. **Output (IHF):** 30 watts per channel. **Response:** 19-20,000 cps. **Harmonic Distortion:** 0.8% at full power. **Hum:** −70 db. **Outputs:** 4, 8 and 16 ohms; center channel. 6¼x17½x16¾". Less case, at right. For 110-120 v., 60 cycle AC. Shpg. wt., 38 lbs.

72 SU 550-G. *$18 Monthly*...395.00

Model 4312 Transistorized Stereo Multiplex FM Tuner

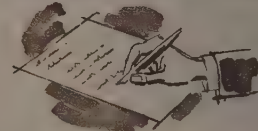
Features 28 transistors, plus 4 nuvistors, for astonishing reliability, extraordinarily wide and clean response, extremely high sensitivity and minimum power consumption. Circuit automatically switches to stereo mode when multiplex signal is received. Has silver-plated front end, Dynaural squelch, 2 level controls, tuning meter, stereo guide indicator, front-panel recording jack. **Response:** ±1 db, 50-15,000 cps. **Sensitivity:** 1.9 µv IHF. **Channel Separation:** over 35 db. 6¼x17½x16¾". Less case, below. For 110-120 v., 60 cycle AC. 16 lbs.

72 SU 557-G. *$17 Monthly*....365.00

72 SX 006-G. Metal Case for 4270 and 4312. Leatherette covered. 7 lbs....**15.25**

72 SX 007C-G. Wood Case for 4270 and 4312. Specify walnut or mah. 8 lbs. .**25.45**

GET EXTRA SAVINGS O
COMPLETE SCOTT SYSTEM



Write to ALLIED for Your Money-Saving System Price Quotation

See pages 145-147 for complete stere
systems featuring Scott components
discounted system prices. Or, if you'
like a system made up of Scott compo
nents of your choice, send your selec
tions to our Hi-Fi Manager. He'll quot
you a price with savings comparable t
those offered on systems shown here.

Buy Your Scott Components on Allied's Credit Fund Plan

Deluxe SCOTT® Stereo Components For The Kit-Builder

ALL AT LOW ALLIED PRICES

Why It's So Easy To Build A "Scott-Kit"

"Scott-Kit" takes away the hard work, and leaves only the fun of kit assembly. Full color instruction book shows every part in actual color and in proper position. Terminal strips and tube sockets are pre-riveted to chassis; all wires are precut and prestripped to proper length. Critical front end and multiplex circuit are professionally wired and tested at the factory. "Ez-A-Line" tuning method, using front panel tuning meter, assures perfect alignment without special equipment. All parts come packaged in order of their use.

K-48B 48-Watt Stereo Amplifier Builds In A Jiffy . . . Gives Years Of Listening Pleasure

LOW ALLIED PRICE **$114.95**

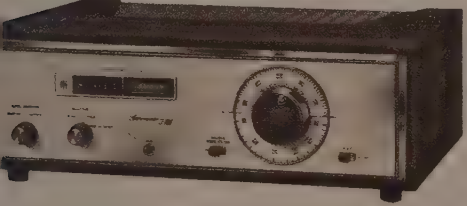
$6 monthly

deluxe amplifier kit that looks and performs like a factory-built ott amplifier. Makes you a professional—even if this is your first —and saves you money, too. And when it's completed; 48 watts F (24 watts IHF per channel) of famous Scott sound quality at ur fingertips. Each hefty output stage delivers ±0.5 db, 20- ,000 cps response at rated power for clear, undistorted reoduction of even the most subtle orchestral nuances. Features itched stereo headphone jack on front panel for private listening, d powered center channel output to drive extension speakers or a nter channel speaker without the need for additional amplifican. Has non-magnetic aluminum chassis and DC-operated heaters inaudible hum. Front panel controls include: tape and phono ualization switch; tape input switch; scratch filter switch; speaker output switch; volume/loudness switch; 3-position input selector; 7-position function selector; separate bass and treble for each channel; balance; loudness/power on-off. **Sensitivity:** 3 mv. **Harmonic Distortion:** 0.8%. **Hum and Noise:** —80 db. Size, 4⅝x15½x12½". Distinctive gold panel with brown trim. Less optional metal or wood case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 29 lbs. Shipped express only.

72 SU 513-G. *$6 Monthly*........................**114.95**

72 SX 001-G. Metal Case. Finished in handsome brown simulated leather. Shpg. wt., 5 lbs..............................**11.85**

72 SX 002C-G. Wood Case. Choice of hand-rubbed mahogany or oiled walnut—**specify finish**. Shpg. wt., 6 lbs...........**20.82**



odel LT-110B Stereo Multiplex FM Tuner Kit Featuring "Sonic Monitor" Tuning Device

deluxe stereo multiplex FM tuner that can be handled even by a wcomer to kit-building. Loaded with "Scott-Kit" features to sure fail-safe assembly: pre-wiring and pre-alignment of critical nt end and multiplex circuitry; "Ez-A-Line" alignment method at requires no special test equipment; conveniently arranged and ckaged parts, plus full color instruction book. But that's only the ginning . . . wait 'til you hear your finished product. You can't lp but glow with pride at your accomplishment. Heavily silverated front end provides maximum sensitivity and most reliable rformance. "Time-Switching" multiplex circuitry assures wide ereo separation and flawless off-the-air tape recording. Exclusive onic Monitor" tuning device audibly signals you when you've ned a stereo broadcast. Front panel controls include: Sonic onitor/Listen; 5-Position Function Selector; Tape Output Jack; oise Filter Switch; Illuminated Tuning Meter; Professional Vernier ning; Switchable AGC. **Response:** ±1 db, 50-15,000 cps. **lectivity:** 35 db. **Sensitivity:** 2.2 µv. **Separation:** better than 30 db. **armonic Distortion:** 0.8%. **Hum:** —60 db. 9 tubes, 11 diodes. ze, 4⅝x15¼x12⅛". Less optional case, uses the same case as e LK-48B listed above. For 105-125 v., 50-60 cycle AC. Shpg. wt., lbs. Shipped express.

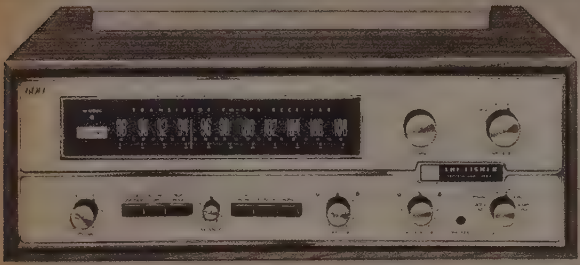
2 SU 514-G. *$7 Monthly*........................**124.95**

Model LK-72B 80-Watt Stereo Amplifier Kit—Designed To Make You A Kit-Building Success

Get the double satisfaction of building and enjoying your own top-flight Scott stereo amplifier. Have no fears about building the LK-72B: "Scott-Kit" includes every possible feature to make you a success—even if this is your first kit. All the hard work on the small mechanical parts is done at the factory, and the rest of the parts are carefully organized and packaged in the exact seqeuence of their assembly. Full color instruction book with color-coded parts charts guide you through the whole building procedure. After you've put the last part in place, your enjoyment has only begun. The LK-72B puts out 80 watts IHF (40 watts IHF per channel) of immaculate sound all the way down to 20 cps. Delivers ±1 db, 20-20,000 cps at rated power. Features powered center-channel output to drive extension speakers or a center-channel speaker without using an additional amplifier. Non-magnetic aluminum chassis and DC-heated filaments reduce hum and noise far below audibility. Front panel controls: Tape/Phono Equalization Switch; Tape Monitor; 3-Position Input Selector; 7-Position Function Selector; Separate Treble and Bass for Each Channel; Center-Channel Level; Volume/Loudness Switch; Balance; Loudness. 4⅝x15¼x12½". Less optional case, same as for LK-48B above. For 105-125 v., 50-60 cycle AC. 33 lbs. Shipped express.

72 SU 515-G. *$7 Monthly*........................**134.95**

FISHER Stereo High-Fidelity Components . .



NEW 110 WATT SOLID-STATE STEREO FM RECEIVER

LOW ALLIED PRICE **$505.75** less case

$22 monthly

Model 600T Stereo Multiplex FM Receiver

Combining the ultimate in performance with unlimited operational flexibility, the new Model 600T is a triumph in solid-state music reproduction. Uses 4 output transistors in each channel to provide flawless response. Ample reserve to drive any speaker systems to full listening volume without distortion. It also offers a highly sophisticated control center—20 controls, pushbuttons and switches put you in total command of every conceivable music source. Super-sensitive stereo multiplex FM tuner section has Golden Synchrode nuvistor front end, 5 IF amplifier stages, 5 limiter stages, wide-band ratio detector, Stereo Beacon, tuning meter. Amplifier section uses no output transformers—you hear flawless, distortion-free stereo. *Tuner Section.* **IHF Sensitivity:** 1.8 μv. **Signal to Noise:** 70 db. **Stereo Separation:** 40 db. **Calibration Accuracy:** 0.2%. *Amplifier Section.* **IHF Output:** 110 watts. **Response:** ±1 db, 25-25,000 cps. **Distortion:** 0.4%. **Hum and Noise:** −90 db. Four-position speaker selector switch located on front panel. Size, 5⅛x16¾x11⅞". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 37 lbs.

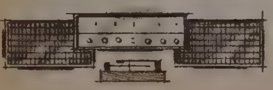
72 SU 622-G. *$22 Monthly*.................................505.75

72 SX 633-G. Oiled Walnut Wood Case. 9 lbs.........**22.45**

MODEL 500C—WAS $389.50 IN LAST YEAR'S CATALOG 230

MODEL 400—WAS $329.50 IN LAST YEAR'S CATALOG 230

Save on Fisher Stereo Music Systems!



For big savings on music systems featuring deluxe Fisher components, see pages 148 and 149.

500C 75-Watt Stereo Multiplex FM Receiver

Combines a highly sensitive FM tuner with stable multiplex circuitry, plus a stereo amplifier that gives you 75 watts of music power. "Golden Synchrode" front end provides greater sensitivity and low distortion. Uses 4 wideband IF stages, 3 limiters, ratio detector. "Stereo Beacon" signals multiplex broadcasts, automatically switches to stereo. Complete audio control center includes direct tape monitor that lets you listen as you record. Has 8 controls, 4 switches and 17 input and output jacks for every program source. *Tuner Section.* **IHF Sensitivity:** 1.8 μv **Signal-to-Noise Ratio:** 70 db. *Amplifier Section.* **Output:** 75 watts. **Response:** ±1 db, 25-25,000 cps overall. **Hum and Noise:** 80 db below full output. **Harmonic Distortion:** 0.5% at rated power. 5¾x17½x13½". Less case, below. For 105-125 v., 60 cycle AC. Shpg. wt., 40 lbs.

72 SU 542-G. *$16 Monthly*.................................331.08

Model 800C 75-Watt Stereo FM-AM Receiver

Was $449.50 in Catalog 230. Similar to Model 500C, but receives AM, too. High-gain pentode RF amplifier, pentagrid converter, variable IF bandwidth, sensitive ferrite rod antenna. **AM Sensitivity:** 5 μv **AM Selectivity:** 55 db. Less case, below. 5¾x17½x13½". For 105-125 v., 60 cycle AC. Shpg. wt. 40 lbs.

72 SU 543-G. *$18 Monthly*.................................382.08

Model 400 65-Watt Stereo FM Receiver

Enjoy world famous Fisher hi-fi performance at an exceptionally low price. Combines on a single, compact chassis, a highly sensitive drift-free FM tuner, precision time division multiplex demodulator, and a 65 watt stereo amplifier with a full array of controls and features. FM section has 3 wideband IF stages, smooth flywheel tuning and slide rule dial, magic eye tuning indicator. Stereo Beam signals the presence of an FM multiplex broadcast. Amplifier section offers tape monitor, loudness/contour control, center channel output (requires separate amplifier). *Tuner Section.* **IHF Sensitivity:** 1.8 μv. **Signal-to-Noise Ratio:** 70 db. **Selectivity:** 60 db. **Channel Separation:** 35 db at 1000 cps. *Amplifier Section.* **IHF Output:** 65 watts. **Response:** ±1 db, 25-25,000 cps. **Hum and Noise:** −80 db. **Outputs:** 4, 8, 16 ohms, recording, center channel, stereo headphones. 5¾x17½x13". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 34 lbs.

72 SU 548-G. *$15 Monthly*.................................280.08

72 SX 055-G. Oiled Walnut Wood Case. For Models 500C, 800C, 400. Shpg. wt., 9 lbs.................................**22.45**

World Famous for Deluxe Quality

FISHER

NEW 100 WATT SOLID-STATE STEREO HI-FI AMPLIFIER

LOW ALLIED PRICE **$280.08** less case

$15 monthly

Model TX-300 All-Transistor Stereo Amplifier

agnificent sounding solid-state stereo amplifier. Designed for the scriminating audio listener, offers the ultimate in professional ality throughout—in versatility, in performance, in appearance! tteen inputs accommodate every conceivable music source. An dio command center on the front panel features pushbutton in- t selectors with indicator lights; and a wide array of controls for l flexibility and ease of operation. Latest up-to-date solid-state rcuitry utilizes 4 output transistors in each channel. Runs ol with no hum, no microphonics. Audio transformers have been minated to provide better transient response, lower distortion and wider bandwidth. Also has: tape monitor input, stereo recorder outputs, stereo headphone jack, low and high-cut filters, many more extras. **IHF Output Power**: 100 watts, 50 watts per channel. **Frequency Response**: ±1 db, 20-25,000 cps. **Harmonic Distortion**: 0.5% at full rated output power. **Hum and Noise**: −86 db. Four-position speaker selector switch conveniently located on front panel. Size, 4$\frac{13}{16}$x15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 30 lbs.

72 SU 624-G. *$15 Monthly*.................... 280.08

72 SX 629-G. Oiled Walnut Case. 6 lbs.............. **22.45**

Model X-100C 50-Watt Stereo Amplifier

pertly engineered unit provides superb performance at a really v price. Offers 50 watts of flawless sound, totally free of audible m, noise and distortion. Contains all controls and facilities for mplete enjoyment of any stereo or monophonic program source. atures: tape monitor provision, derived-power center channel tput, dual-concentric bass and treble controls, speaker-headphone itch, 7 pairs of stereo inputs, high and low-cut filters, DC on pre- p tube filaments. **IHF Power Output**: 50 watts. **Response**: ±1 db, -20,000 cps. **Harmonic Distortion**: 0.5% at full rated output. **Out- ts**: 4, 8, 16 ohms, recording, center channel, headphones. 4$\frac{13}{16}$x $\frac{1}{8}$x11$\frac{7}{8}$". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. ., 30 lbs.

2 SU 630-G. *$8 Monthly*.......................... 144.08

Allied's Low Price **$144.08** less case $8 monthly

Model X-101D 60-Watt Stereo Amplifier

ffers a host of deluxe operating conveniences plus proven Fisher ality. Features thirteen front-panel controls and switches plus ghteen inputs and outputs for complete flexibility of operation. A rived-power center channel output directly drives a third speaker r remote use. Has dual concentric bass and treble controls, loud- ess-contour switch, tape monitoring provision, speaker-headphones itch, hi-cut filters, stereo headphone jack. **IHF Power Output**: 60 atts. **Response**: ±1 db, 20-20,000 cps. **Harmonic Distortion**: 0.5% at ted output. **Hum and Noise**: —80 db. **Outputs**: 4, 8, 16 ohms, nter channel, hi-Z to recorder, lo-Z to stereo headphones. Size, $\frac{3}{16}$x15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, below. For 110-120 v., 60 cycle AC. pg. wt., 28 lbs.

2 SU 631-G. *$9 Monthly*......................... 169.58

Allied's Low Price **$169.58** less case $9 monthly

Model X-202C 84-Watt Stereo Amplifier

atures complete audio control and input facilities plus big 84- atts of flawless music output. Has derived center-channel output— external amplifier required. Inputs include two sets for low-level ono, plus mike, tape head, tuner, and auxiliary. Has high and w filters, tape monitor, loudness-contour, speaker on-off, dual ncentric bass and treble controls; stereo headphone jack. **IHF ower Output**: 84 watts. **Hum and Noise**: −80 db. **Output Imped- nces**: 4, 8, 16 ohms, center channel, hi-Z recording, lo-Z headphones. ze, $^{13}/_{16}$x15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, below. For 110-120 v., 60 cycle C. Shpg. wt., 36 lbs.

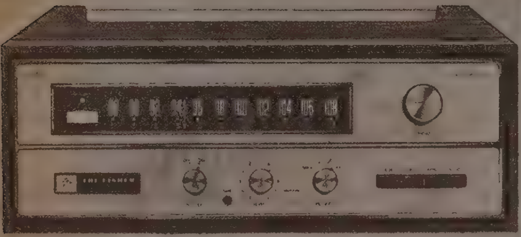
2 SU 632-G. *$11 Monthly*......................... 212.08

Allied's Low Price **$212.08** less case $11 monthly

Case for X-100C, X-101D, X-202C

2 SX 629-G. Wood Case. Handsomely crafted oiled walnut ve- er. Shpg. wt., 6 lbs.................................. **22.45**

FISHER Stereo FM High-Fidelity Tuners



New TFM-300 Stereo Multiplex FM Tuner

Pace-setting tuner combines nuvistor and famous Golden Synchrode front-end for outstanding sensitivity, low noise, high IF and image rejection, and amazing overload resistance. Has wideband, solid-state IF strip with 5 stages, plus 5 limiters, and wideband ratio detector. Improved Stereo Beacon automatically switches between monophonic and stereo modes. Variable-threshold muting eliminates inter-station noise . . weak stations, too if desired. Four pushbutton mode selectors. Stereo filter prevents noise on multiplex without loss of response. Illuminated D'Arsonval tuning meter. **Sensitivity:** 1.8 μv. **Separation:** 40 db at 400 cps. **Selectivity:** 55 db. **Harmonic Distortion:** 0.4%. 4$\frac{13}{16}$x15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

72 SU 623-G. *$13 Monthly*. 254.58

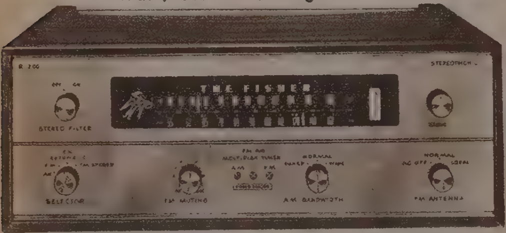
72 SX 629-G. Wood Case. Walnut. Wt., 6 lbs. . . **22.45**

$\$254^{58}$

$13 monthly

New Solid-State Tuner Offers Magnificent Performance and Unvarying Dependability

Was $299.50 in Catalog 230



R200 Stereo Multiplex FM-AM Tuner

A proven favorite of audiophiles for superior FM-AM reception. **FM Section:** Golden Synchrode front end permits greatest possible overload margin and rejection of unwanted signals. Five wideband IF stages, four limiters. 1.6 μv sensitivity (IHF). **Multiplex Section:** Stereo Beacon indicates when multiplex broadcast is being received and switches tuner to FM stereo mode. 35 db channel separation. **AM Section:** Tuned RF amplifier, converter, and two IF amplifiers. 10-kc whistle filter. 5 μv sensitivity for 2-volt output. **Controls:** stereo filter; mode selector; FM muting; FM antenna; AM bandwidth; tuning. d'Arsonval tuning meter. 4$\frac{13}{16}$x15$\frac{1}{8}$x12". Less case, below. For 105-120 v., 50-60 cycle AC. 33 lbs.

72 SU 047-G. *$13 Monthly*. 254.58

72 SX 072-G. Metal Case. Simulated leather. Wt., 7 lbs. **14.35**

72 SX 074-G. Wood Case. Walnut. Wt., 6 lbs. **22.45**

LOW ALLIED PRICES

Low Allied Price

New FM-200C Stereo Multiplex FM Tuner

The most critical listener could not ask for more in stereo multiplex FM reception than this great new model offers. "Golden Cascode" front-end with four tuned circuits provides truly exceptional selectivity. 5 IF stages and 4 limiting stages. "Micro Tune" automatically disables AFC when tuning knob is touched; restores AFC when knob is released. Interstation noise-suppressor. Antenna selector. Distant-local range switch. Precision tuning meter. Stereo Beacon lights when stereo programming is tuned in, and automatically switches tuner to stereo mode. Has transistorized multiplex circuit. **Sensitivity:** 1.8 μv. **Channel Separation:** more than 35 db. Size, 4$\frac{13}{16}$x15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 19 lbs.

72 SU 627-G. *$13 Monthly*. 254.58

72 SX 629-G. Wood Case. Walnut. Wt., 6 lbs. **22.45**

New FM-100C Stereo Multiplex FM Tuner

A fine choice for the listener who insists upon deluxe performance. "Golden Cascode" front end provides outstanding sensitivity and excellent image and spurious-response rejection. 4 IF stages and 3 wideband limiters. Precision tuning meter. Sensitivity control. Dual channel-level controls. Distant-local switch. Other deluxe features include Stereo Beacon indicator and automatic switching between monophonic and stereo; multiplex circuit is transistorized. **Sensitivity:** 1.8 μv (IHF). **Separation:** 35 db. 4$\frac{13}{16}$x15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, see listing below. For operation from 105-120 v., 50-60 cycle AC. Shpg. wt., 19 lbs.

72 SU 628-G. *$11 Monthly*. 212.08

72 SX 629-G. Wood Case. Walnut. Wt., 6 lbs. **22.45**

New FM-90B Wideband Stereo Multiplex FM Tuner

Fisher performance at a moderate price. Features the famous, exclusive Golden Synchrode front-end, 3 IF stages, and 2 limiters for excellent sensitivity and selectivity. StereoScan indicator flashes on to signal stereo broadcast. Precision d'Arsonval tuning meter for exact center-of-channel tuning. Switchable stereo filter eliminates noise on weak stations. Dual audio level controls. Tape outputs. **Sensitivity:** 2.0 μv. **Separation:** 35 db. 4$\frac{13}{16}$x15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, below. For 105-120 v., 60 cycle AC. 18 lbs.

72 SU 634-G. *$8 Monthly*. 152.58

72 SX 629-G. Wood Case. Handsome walnut finish. Wt., 6 lbs. **22.45**

Easy-to-Build "StrataKits" by FISHER

LOW ALLIED PRICES!

Prices Reduced from Our Last Big Catalog

Simplified Assembly! Major parts are already mounted on chassis. Wires are precut. Separate Parts Packet for each assembly stage.

$116.50
Was $129.50 in Catalog 230

$152.50
Was $169.50 in Catalog 230

KX-100 50-Watt Stereo Amplifier Kit

- **Preassembled Front End and Multiplex Stage**
- **Taping Outputs Unaffected by Tone Controls**

ombines top-quality engineering and outstanding value in a kit hat assembles quickly in easy, error-proof stages. Features great ower reserve and unusual flexibility. Offers 7 pairs of inputs, plus 7 front-panel controls and switches. Has rumble and scratch ilters, dual concentric bass and treble controls for each channel, tereo head-phone jack for private listening. Derived-power center channel output needs no separate amplifier to drive speaker. ower **Output:** 25 watts per channel (IHF). **Response:** ±1 db, 20-0,000 cps. **Harmonic Distortion:** only 0.5% at rated output. **Hum nd Noise:** 65 db down. **Output Impedances:** 4, 8 and 16 ohms. rushed brass panel. $4\frac{13}{16}$x$15\frac{1}{8}$x$12\frac{1}{2}$". Less case, below. For 05-120 v., 50-60 cycle AC. Shpg. wt., 24 lbs.

72 SU 065-G. *$6 Monthly*.......................116.50
72 SX 072-G. Metal Case. Simulated leather. Wt., 7 lbs. **14.35**
72 SX 074-G. Wood Case. Walnut. Wt., 6 lbs........**22.45**

KM-60 Stereo Multiplex FM Tuner Kit

Highly sensitive tuner (1.8 µv IHF) receives stereo FM, plus monophonic FM. Features Golden Cascode front end; four IF stages and two limiters; subcarrier noise-filter; Stereo Beam that indicates stereo broadcasts; precision d'Arsonval tuning meter (used during assembly for alignment); output-level control on each channel. Tuning and multiplex sections are factory assembled and aligned. $4\frac{13}{16}$x$15\frac{1}{8}$x13". Less case, below. For 105-120 v., 50-60 cycle AC. Wt., 24 lbs.

72 SU 070-G. *$8 Monthly*....................152.50
72 SX 072-G. Metal Case. Simulated leather. 7 lbs....**14.35**
72 SX 074-G. Wood Case. Walnut. Wt., 6 lbs........**22.45**

KX-200 80-Watt Stereo Amplifier Kit

- **Built-in Meter on Chassis Permits Precise Adjustments**
- **Full Set of Controls For Outstanding Flexibility**

Affords the kit builder all the versatility and performance formerly available only from Fisher factory wired amplifiers. Built-in d'Arsonval laboratory-type meter assures exact circuit adjustment for peak performance. Stereo Dimension control provides any degree of channel separation—adapts unit to almost every acoustical arrangement. Derived-power center channel output needs no separate amplifier—operated by convenient front panel control. With tape monitor facilities, dual bass and treble controls, loudness contour, high frequency filter switches, plus a host of other refinements. **Power Output:** 40 watts per channel (IHF). **Response:** ±1 db, 20-20,000 cps. **Harmonic Distortion:** only 0.4% at rated output. **Hum and Noise:** 80 db down. **Output Impedances:** 4, 8 and 16 ohms. $4\frac{13}{16}$x$15\frac{1}{8}$x$12\frac{1}{2}$". Less case, at left. For 105-120 volts, 50-60 cycle AC. Shpg. wt., 29 lbs.

72 SU 066-G. *$8 Monthly*......................152.50

Was $169.50 in Catalog 230

New MF-320 Stereo Multiplex FM Tuner Kit with Wireless Remote Control

oy the luxury of tuning in, and setting the volume level of FM ions by *remote control* from anywhere in the room. Also enjoy erb reception of stereo multiplex and monophonic FM. Motor-ren remote tuning is achieved with the RK20 wireless control. d-held control unit drives the dial to left or right and/or lowers aises volume. Dial stops at point of maximum signal. Automatic em also is operated by pushbuttons on control panel. Has manual ng, too. "Golden Cascode" front-end with 2 nuvistors and 4 ed circuits provides amazing selectivity. Stereo Beacon indicator ts up and automatically switches to stereo mode when stereo sig- is received. Has five IF stages and five wideband limiters. **Sen-ity:** 1.6 µv (IHF). **Channel separation:** 35 db. $4\frac{13}{16}$x$15\frac{1}{8}$x13". nplete with walnut-finished wood cabinet. For 105-120 volts, 0 cycle AC. Shpg. wt., 28 lbs.
SU 635-G. *$19 Monthly*........................436.86

RK20 Remote Control Unit

Now . . Adjust Tuning and Volume from Anywhere in the Room . . Without Wires!

lied Guarantees Your Satisfaction

FISHER Famous Quality, Styling and Now

ALLIED

Special Purchase

Allied's tremendous purchasing power allows us to bring you these spectacular savings. And Allied makes it so easy for you to own the best! Use our generous Credit Fund Plan—make small monthly payments—take over 2 years to pay!

Save $110.00

Now Only

$\$249^{50}$ less case

$13 monthly

Thousands of These Fine Instruments Were Sold to Satisfied Users at $359.50, As Priced in Our Catalog 220. Now Pocket Giant Savings!

Famous 500-B Stereo Multiplex FM Receiver

- **Amplifier Section Delivers Powerful 65 Watts with Low, Low Distortion**
- **Super-Sensitive Wideband FM with 2.2 μv Sensitivity**
- **Phase-Linear Multiplex Circuitry with "Stereo-Beam" Indicator**
- **Superb Stereo Channel Separation Throughout the Audio Range**

A modern classic combining latest engineering design with elegant styling, the 500-B has ample controls for your complete command of listening conditions. In this deluxe all-in-one unit, you get a super-sensitive FM tuner with the latest stereo multiplex circuit, plus a stereo amplifier that delivers 65 watts of audio power. Beautiful brushed-brass front panel has seven controls and six switches including scratch and rumble filters, tape monitor, balance control and separate bass and treble controls on each channel. Tuner circuit boasts a phase-linear wideband design with four IF stages for high selectivity and superior signal-to-noise ratio. Assures minimum distortion and widest channel separation throughout the entire audio range. Special built-in filter prevents hiss and background noise during reception of distant stereo multiplex FM signals. Facilities are provided for handling every conceivable stereo and monophonic program source—rear panel features a total of 17 inputs and outputs. **Frequency Response:** 20 to 25,000 cps. **Harmonic Distortion:** 0.5%, plus **Hum and Noise:** 85 db below 65 watts. Size, $5\frac{3}{4}$x$17\frac{1}{2}$x$13\frac{1}{4}$". Less case, below. For operation from 105-120 v., 50-60 cycle AC. Shpg. wt., 35 lbs. Shipped express.

72 SU 052-G. *$13 Monthly*..249.50

WOOD CASE. Attractive oiled-walnut finish. Shpg. wt., 9 lbs.

72 SX 055-G...**22.45**

Outstanding FM-100B Stereo Multiplex FM Tuner

- **High-Gain Golden Cascode Front End, Five IF Stages**
- **Stereo Beacon Indicator with Automatic Switching**
- **Tuning Meter and Interstation Noise Suppression**
- **1.8 μv Sensitivity (IHF)** • **Harmonic Distortion 0.4%**

A tuner that bears comparison with the best that money can buy. For the serious audio enthusiast or the music lover who wants to pick up a distant stereo station with full fidelity. Makes multiplex reception all pleasure. High gain front-end, five IF stages and four limiters assure distortion-free reception. Outstanding image and spurious response rejection. Automatically switches in multiplex circuit when stereo station is tuned in. Stereo Beacon indicator lights when station transmits multiplex broadcast. Dial calibration accurate to 0.2% with muting circuit to suppress annoying interstation noise. **Frequency Response:** 20-15,000 cps. **Signal to Noise Ratio:** 70 db. **Selectivity:** 60 db. **Capture Ratio:** 2.2 db. **Stereo Separation at 1 Kc:** 35 db. Distant/Local Sensitivity Control; output level controls; 12 tubes, 13 diodes. $4\frac{13}{16}$x$15\frac{1}{8}$x13". Less case, below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 23 lbs.

72 SU 081-G. *$9 Monthly*..179.50

METAL CASE. Leatherette. Shpg. wt., 7 lbs.

72 SX 072-G...**13.45**

WOOD CASE. Oiled-Walnut Finish. 6 lbs.

72 SX 074-G...**22.45**

Save $70.00

$\$179^{50}$ less case

$9 monthly

This Audiophile's Delight Was $249.50 in Allied's Catalog 230. Take Advantage of this Tremendous Bargain Offer.

. . . Unbeatable GIANT Savings FISHER

Save $60.00

Now Only **$139.50** less case

$7 monthly

Sold for $199.50 in Our Catalog 230. Now Save An Enormous 30%.

Deluxe X-101-C 60-Watt Stereo Amplifier

- **Harmonic Distortion at Full Rated Output Only 0.5%**
- **Large, Heavy, Grain-Oriented-Steel Output Transformers**
- **Output for Center Channel or Extension Speaker**
- **Front Panel Headphone Jack**
- **Pushbutton Selector**

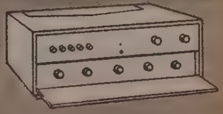
andsomely styled amplifier with complete controls. Designed so that everyone in the family n use and enjoy it. Only the frequently used controls are in full view. These are the Push-itton Program Selector (tape head, phono, tuner, aux, tape play), Mode Selector (stereo, ono, reverse), and Volume Control. The controls less frequently used or used only by the perienced audiophile are hidden behind drop front (described at right). Performance ecifications put this instrument in the top class. **Rated Music Power Output (IHF):** 60 watts; **um and Noise:** 80 db below rated output. **Overall Frequency Response:** ±1 db, 20-20,000 s. **Sensitivity:** 300 mv for high level inputs, 3.5 mv for phono inputs, 2 mv for tape head puts. Extra features: direct tape monitor, front-panel headphone jack, high filter, subsonic itoff switch; switchable dual magnetic stereo inputs; 4, 8 and 16-ohm speaker outputs; low-pedance silicon diode power supply; heavy-gauge aluminum chassis; direct connection of nter channel or extension speaker; 10 tubes, 2 diodes. Size, $4\frac{13}{16}$x$15\frac{1}{8}$x$12\frac{1}{2}$". Less case, ted below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

2 SU 077-G. *$7 Monthly*........139.50

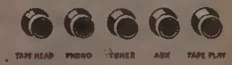
2 SX 072-G. Metal Case. Simulated leather. 7 lbs........**13.45**

OOD CASE. Attractive oiled-walnut finish. Shpg. wt., 6 lbs.

2 SX 074-G........**22.45**



Easy For the Whole Family To Use—Hinged Control Cover Conceals Less Frequently Used Controls. Only Selector, Mode and Volume Are Visible.



Concealed Controls Are: Output Selector, Bass, Treble, Balance Plus Four Switches—Equalization, Hi-Filter, Monitor and Loudness.

Super-Value X-100 36-Watt Stereo Amplifier

Exceptionally Low Harmonic Distortion, 0.5% at Full Rated Output
Full Set of Controls and Switches for Most Flexible Operation
Excellent Overload Capacity—Takes Peaks Without Distortion
4, 8, and 16 Ohm Outputs • **Tape Monitor Switch**

master audio control with 36-watt power amplifier. Fisher quality ad styling, at a price far below what you'd expect to pay. You get the advantages of high rated amplifiers—flawless sound, virtually ee of hum, noise and distortion. Performance is actually superior many amplifiers with higher power ratings. Excellent overload aracteristics and short recovery time required to handle extremely rong power peaks without distortion. Fourteen input jacks handle ny stereo or mono source. Seventeen front panel controls: Master olume, Loudness, Selector, Mono-Stereo Switch; Equalization witch; independent Bass and Treble Controls for each channel; alance Control; Rumble Filter Switch; Scratch Filter Switch; enter Channel On-Off Switch; Phono Level Controls; Tape onitor Switch. **Frequency Response:** ±1 db, 20-20,000 cps. **Hum ad Noise:** 90 db below rated output. Size, $4\frac{13}{16}$x$15\frac{1}{8}$x$11\frac{7}{8}$". Less ase, below. For 105-120 v., 50-60 cycle AC. 25 lbs.

2 SU 051-G. *$5 Monthly*........99.50

2 SX 072-G. Metal Case. Simulated leather. 7 lbs........**13.45**

2 SX 074-G. Oiled-Walnut Wood Case. Luxurious styling. pg. wt., 6 lbs........**22.45**

Save $60.00

$99.50 less case

$5 monthly

Originally Sold For $159.50. Now Allied's Special Purchase Gives You Gigantic 38% Savings!

FISHER

New Transistor Stereo Phono

Now...Enjoy Stereo Anywhere! Take it Along With You.

$229.50

$12 monthly

A Deluxe Stereo High-Fidelity System with True Portable Convenience

Custom Luggage Case
Lightweight and Compact
Smartly Styled
Conveniently Located Controls

PACKED WITH FISHER HI-FI SYSTEM FEATURES

- Solid-State Stereo Preamp Audio Control Center and 30-Watt Power Amplifier
- Garrard 4-Speed Automatic Turntable with Pickering Magnetic Cartridge
- Two 2-Way Speaker Systems with Built-In L-C Crossover Networks
- High-Compliance 6" Woofers and 2½" Cone-Type Tweeters
- Jacks for Stereo Headset *plus* Tuner and Tape Recorder
- Automatic Turntable Intermixes Records and Shuts off Automatically

Model "50" 30-Watt Portable Phono for True Stereo Hi-Fi

A portable stereo phono certain to delight even the more critical hi-fi listener. Consists of first-rate high-fidelity components in an extremely compact and lightweight luggage case . . . actually a stereo music system in a suitcase! Typical solid-state advantages are superb sound, freedom from hum and noise, extremely cool operation, and instant play (no warm-up time). Deluxe preamp has six controls and switches, including Speaker On-Off Switch, 5-pos. selector, Volume Balance, Bass, and Treble. Also provision for stereo headphones, inputs for tuner and tape recorder.

Fisher-engineered power amplifier delivers 15 watts per channel (IHF). Garrard Automatic Turntable intermixes 7, 10 and 12" records of the same speed; turns off automatically. Pickering cartridge has diamond needle. Two-way speaker systems each have 6" long-throw, high-compliance woofer with heavy magnet system, and 2½" cone-type tweeter. 10-ft. cords allow placement up to 20 feet apart for excellent channel separation.

Hum & Noise: down more than 55 db. **Harmonic distortion**: less than 1% at rated power. **Response**: uniform over audio range. Smartly styled Royalite case, 14¼x24¾x8". For 105-120 v. 60 cycle AC. Carrying wt., 35 lbs. Shpg. wt., 39 lbs.
72 SU 625-G. *$12 Monthly*.......................................229.50

New Custom-Module Transistor Stereo Music System

$269.50

$14 monthly

- Extremely Compact . . . Provides *Full* Hi-Fi in Space-Limited Room
- 30-Watt Power Amplifier Delivers Thrilling "Big System" Sound
- Garrard Automatic Turntable with Pickering Magnetic Cartridge
- Two 2-Way Speaker Systems in Beautiful Oiled Walnut Enclosures
- Jacks Accept Stereo Headset, Tuner and Tape Recorder
- High-Compliance 8" Woofers and 2½" Tweeters

Model "75" 30-Watt Stereo Music System Really Saves Space

No room is too small or too large for the new Custom Module music system. Fisher preamp, power amplifier, and Garrard Automatic Turntable are housed in a superbly crafted walnut cabinet that's only 5½" high, 24½" wide and 14⅝" deep. Two 2-way speaker systems in walnut enclosures measure 16¼x10⅜x9⅛" each . . . spread up to 20 ft. for maximum channel separation.

Fisher solid-state engineering puts "big" sound into small packages. The Model 75's low-distortion power-amplifier delivers 15 watts per channel (IHF). Deluxe preamp ensures complete audio control. Garrard Automatic Turntable intermixes 7", 10", and 12" records quietly and smoothly. Shuts off entire system automatically after last record plays. Lightweight pickup arm tracks flawlessly, lengthens life of records. Pickering magnetic cartridge has diamond needle.

8" long-throw, high-compliance woofer with inverted half-roll surround, and heavy magnet system, delivers deep, rich bass. 2½" cone-type tweeters for crystal-clear highs. L-C crossovers. Response is flat across the audio range. For 105-120 v., 60 cycle AC. Shpg. wt., 53 lbs.
72 SZ 626-G. *$14 Monthly*........269.50

Solid-State "Citation" Kits

harman kardon

Citation "B" Transistor Amplifier Kit

- No Tubes . . . Solid-State Circuit • Perfect for Citation "A"
- 15-60,000 cps at Full Power with Both Channels Operating

A basic amplifier offering tremendous power and extraordinary specifications. Delivers 40 watts of continuous power per channel (rms). Rugged computer-grade silicon transistors with heavy-duty heat sinks, can handle 100% more power than normally needed . . . your assurance of phenomenal response and virtually immeasurable distortion. Completely free of switching transients. High damping factor guarantees best speaker performance. Transistor circuitry is mounted on unbreakable, military-grade epoxy glass boards for maximum rigidity and circuit stability. Two special B+ fuses for each channel. Front panel has current-adjustment meter, on-off switch with pilot light, and low-cut filter. **Hum and Noise:** more than 90 db below 40 watts. **Harmonic Distortion:** less than 0.5% at rated output. **Rise Time:** less than 1 usec. **Outputs:** 4, 8, 16 ohms. With brown and gold metal case. 5⅝x14⅞x14" deep. For 110-120 volts, 60 cycle AC. Shpg. wt., 43 lbs.

72 SU 583-G. Kit Form. *$16 Monthly*. 335.00

72 SU 582-G. Factory-Wired. *$19 Monthly*. **425.00**

Citation "A" Transistor Stereo Preamp Kit

- Flat Response (±¼ db) from 1 to 1,000,000 cps
- Every Conceivable Control • Pushbutton Switches

The hi-fi perfectionist's dream . . . a solid-state audio control center with virtually unmeasurable distortion, ultra-flexibility, flawless phase linearity, and a response that extends from well below to far above the audio spectrum. Has *seven* stages of gain mounted on a separate module for stabilization against temperature variation. Separate bass and treble step-type controls for each channel. Separate turnover and roll-off equalization switches. Tape-head controls permit equalization to compensate for head wear. Center-channel output has separate gain control. Pushbuttons control Stereo Reverse, Contour, Tape Monitor, Low-Cut Filter. Blend control. Balance control. AC convenience outlets. Regulated power supply. 33 transistors. Low-impedance output. **Hum & Noise:** 70 db down, at 2 v. Brown and gold. 5⅝x14⅞x7". Less case, below. For 110-120 v., 50-60 cycle AC. 33 lbs.

72 SU 109-G. Kit Form. *$14 Monthly*. 269.95

72 SU 110-G. Factory Wired. *$17 Monthly*. **350.00**

72 SX 201-G. Walnut Wood Case. Shpg. wt., 10 lbs. **17.00**

Harman-Kardon "Award Series" Solid-State Stereo Units

A-1000T STEREO AMPLIFIER. 70-watt IHF output. Uses 28 transistors and 6 diodes. Audio transformers are eliminated to achieve lawless reproduction. Has 6 pairs of inputs, center channel, tape and headphone outputs. Also separate bass and treble controls for each channel and pushbutton input selector. Stereo-mono blend control augmented by indicator lights. **Response:** ±½ db, 10-100,000 cps. **Distortion:** below 0.5% at 70 watts. **Hum and Noise:** 90 db down. 3⅝x14¹⁄₁₆x8⅜". Impedance: 4, 8, 16 ohms. Less case, below. For 110-120 v., 50-60 cycle AC. Wt. 28 lbs.

72 SU 185-G. *$16 Monthly*. 315.00

72 SX 200-G. Walnut Wood Case. 10 lbs. **16.95**

$315⁰⁰

$16 monthly

Was $369.95 in last Big Catalog

case optional

F-1000T STEREO MULTIPLEX FM TUNER. Exceptional quality makes it the ideal companion to the Citation "A" and "B" above. Uses 18 transistors and 8 diodes for superior performance. Has Stereo indicator; automatically switches to stereo mode when multiplex signal is received. Precision d'Arsonval tuning meter. 3-position range selector. Interchannel muting with defeat switch. AFC locks in stations. Hideaway door for infrequently used front-panel controls. **Sensitivity:** 2.0 μv IHF. **Response:** ±¾ db, 5-53,000 cps. **S/N Ratio:** 60 db. **Distortion:** below 0.1%. Less case, below. For 110-120 v., 50-60 cycle AC. Wt., 21 lbs.

72 SU 199-G. *$13 Monthly*. 255.00

72 SX 200-G. Walnut Wood Case. 10 lbs. **16.95**

$255⁰⁰

$13 monthly

Was $299.95 in last Big Catalog

case optional

SR900 Transistor 75-Watt Stereo Receiver

Powerful amplifier has flat response from below 5 cps to 300,000 cps! Controls include separate balance, bass, treble, tape monitor, low and high cut, tone control defeat, contour, pushbutton on-off, and more. Inputs and outputs for stereo recorder. Stereo headset output. **Sensitivity,** 1.85 μv (IHF). Stereo multiplex indicator light, and automatic switching to stereo mode. Tuning meter. **FM Channel separation:** better than 35 db. **Distortion:** less than 0.5%. **Impedance:** 4-16 ohms. 5x16¼x11¾". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 30 lbs.

72 SU 184-G. *$18 Monthly*. 395.00

72 SX 208-G. Walnut Wood Case. Wt., 10 lbs. **25.46**

case optional

ALLIED PRICE

$395⁰⁰

$18 monthly

The Latest in Solid-State Engineering

dynakit

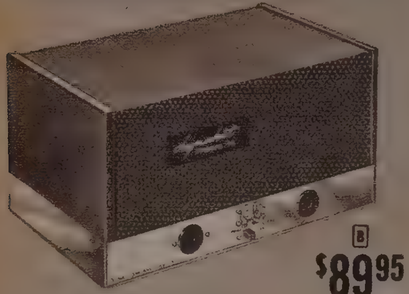
High-Fidelity Components

A

$62.95

$5 monthly

PAS-3 Stereo Preamp Kit



B

$89.95

$5 monthly

"Stereo 70" Basic Amplifier Kit

C

$53.95

$5 monthly

"Stereo 35" Basic Amplifier Kit

A PAS-3 Stereo Preamplifier Kit

- **Complete Control Facilities** • **10-40,000 cps Response**
- **All Critical Wiring Done at Factory on Printed Circuits**

Precision-engineered stereo preamp with complete control facilities. Ideal for use with the "Stereo 70" or any other high-quality basic amplifier. Offers excellent transient response, instantaneous recovery from overload. All critical circuitry is factory-wired on two printed-circuit boards—assembly time is reduced to about 8 hours. Features include: "Dyna Blend" for variable channel separation; DC-heated tube filaments; four AC convenience outlets. Controls include: 6-position input selector; mode selector; volume; loudness; balance; separate bass and treble controls for each channel; tape monitor; scratch filter; on-off switch. **Response:** ±0.5 db, 10-40,000 cps. **IM Distortion:** less than 0.05% at 2-v. output. 4x13x8". With charcoal brown textured vinyl case. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 11 lbs.

72 SX 591-G. *$5 Monthly* 62.95

72 SX 592-G. PAS-3A. Above, factory wired. *$5 Monthly*. **93.45**

B "Stereo 70" 70-Watt Basic Amplifier Kit

- **Flat Frequency Response from 10 to 40,000 cps**
- **Less Than 1% IM Distortion Even at Full Power**
- **Printed Circuits Reduce Assembly Time to Minimum**

Make this famous high-performance basic amplifier the "heart" of your stereo music system. Enjoy outstanding high-fidelity reproduction—firm, perfectly-defined bass and clean, natural highs. Designed for utmost reliability—matched output tubes are operated at only 65% of capacity, filter capacitors less than 85% rated voltage! Has stereo-monophonic selector switch. Use of printed circuitry, detailed step-by-step instructions and pictorial diagrams cut assembly time to about 5 hours. **Power Output:** 35 watts, continuous, per channel. **Response:** ±0.5 db, 10-40,000 cps. **IM Distortion:** less than 1% at full power. **Hum and Noise:** more than 90 db below rated output. **Output Impedances:** 4, 8 and 16 ohms. 6½x9½x13". Complete with handsome charcoal brown protective cover. For 110-120 v., 50-60 cycle AC. Shpg. wt., 35 lbs.

72 SU 237-G. *$5 Monthly* 89.95

72 SU 238-G. As above, factory wired. *$6 Monthly* **110.45**

C "Stereo 35" 35-Watt Basic Amplifier Kit

The perfect way to enjoy superb sound at low cost is with this smaller version of the "Stereo 70." **Power:** 17½ watts, continuous, per channel; **Response:** ±1 db, 10-40,000 cps; **Hum:** 80 db down. **Output Imp.:** 8, 16 ohms. 4x13x5½". With cover. For 110-120 v., 50-60 cycle AC. Shpg. wt., 19 lbs.

72 SX 593-G. *$5 Monthly* 53.95

72 SX 594-G. As above, factory wired. *$5 Monthly* **67.95**

FM-3 Stereo Multiplex FM Tuner Kit

Features Dynakit's "Stereocator" . . . indicator light flashes on when stereo broadcast is received, and tuner automatically switches to stereo mode. Automatically switches back to monophonic operation when stereo programing ends. Unique alignment procedure permits simple, rapid achievement of peak performance, at home without special test equipment. Tuned RF stage and oscillator-mixer use slug-tuned coils for easy alignment of front end. Offer excellent spurious-signal rejection and minimum cross-modulation. Balanced wideband discriminator. 4 IF stages work as progressive limiters. Tuning employs a precise planetary dial mechanism. **Sensitivity:** 4 μv (IHF). **Channel separation:** 30 db. 4x13x8". With smartly styled-case. For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

72 SX 588-G. *$5 Monthly* 98.95

72 SX 589-G. As above, factory wired. *$8 Monthly* **144.45**

FM-1 "Dynatuner" FM Tuner Kit

High-fidelity monophonic tuner offers high sensitivity, low noise and non-critical, drift-free tuning. Tuning eye is used to peak IF stages (no test equipment required) . . . all coils are pre-aligned. Planetary-drive system gives smooth, accurate dialing without backlash. **Sensitivity:** 4 μv (IHF). Provision for internal stereo multiplex adapter, below. 4x13x8". With case. For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

72 SX 240-G. *$5 Monthly* 71.95

72 SU 239-G. As above, factory wired. *$6 Monthly* **101.95**

MODEL FMX-3 STEREO MULTIPLEX ADAPTER KIT. Fits inside FM-1, above. Automatically switches to stereo when multiplex is being received. **Channel separation:** 30 db. Shpg. wt., 5 lbs.

72 SX 244-G. *$5 Monthly* 26.95

it or Assembled

PAM-1
Mark IV
ark III

onophonic Preamp and Amplifier Kits

M-1 PREAMP KIT. ±0.5 db, 10-40,000 cps. Requires -1 Power Supply, below, if used with "Stereo-35" or n-Dynakit. Size, 2¾x12x6". With case.
2 SX 246-G. *$5 Monthly*. 10 lbs. 31.45
2 SU 247-G. As above, factory wired. 50.95

2 S 248-G. PS-1 Power Supply Kit. For 1 or 2 PAM-1's. 5x5". For 110-120 v., 50-60 cycle AC. 5 lbs. 10.75
2 S 259-G. As above, factory wired. 15.25

ARK IV 40-WATT BASIC AMPLIFIER KIT. For PAM-1, S-3, preamps. ±0.5 db, 10-40,000 cps. 4, 8, 16 ohms. over. 6½x14x5". 110-120 v., 60 cycle AC.
2 SU 265-G. *$5 Monthly*. 23 lbs. 53.95
2 SU 266-G. As above, factory wired. 67.95

2 SU 267-G. Mark III 60-Watt Basic Amplifier Kit. 0.5 db, 10-60,000 cps. 4, 8, 16 ohms. With cover. 6¾x 9". For 110-120 v., 60 cycle AC. 31 lbs. 71.95
2 SU 268-G. As above, factory wired. 84.95

dynakit
DYNA STEREO AMPLIFIER

Easy to Assemble

Model SCA-35 35-Watt Stereo Amplifier Kit

Combines deluxe stereo preamp, having full control flexibility, and a unique 35-watt stereo power amplifier. Ingenious design, employing premium-grade transformers, achieves exceptional overall performance and increased stability. New circuit techniques contribute to remarkably low noise and distortion levels. Heavy-duty etched circuit construction and accessible, straight-forward design make assembly a pleasure, even for the kit-assembling novice.

Controls: input selector switch; volume; balance; ganged bass and treble; stereo-mono switch; loudness compensation switch; filter switch; and on-off power switch. 7 pairs of inputs for every program source. Rear panel has dual hum-balance controls, two AC convenience outlets, stereo headphone output, derived center-channel output, tape output.

Response: ±0.5 db, 20-20,000 cps. **IM Distortion:** less than 1% at full power. **Hum:** 80 db down. **Impedance:** 8, 16 ohms. 4x13x10". With Case. For 110-120 v., 50-60 cycle AC. Shpg. wt., 23 lbs.
72 SU 590-G. *$5 Monthly*. 89.95
72 SU 595-G. As above, factory-wired. *$6 Monthly*. **118.95**

Famous Acoustech Solid-State Stereo Components

Acoustech IV
coustech III
ACOUSTECH IV

NEW Stereo Preamp and Amplifier Kits

its feature factory-wired PC boards for vastly simplified circuitry, ecut wires. Instructions have full-color fold-out sheets.

COUSTECH III 80-WATT BASIC AMPLIFIER KIT. Matches eamp below. 40 watts rms per chan. **Harmonic Distortion:** ess than 0.1%, 20-20,000 cps at 80 watts. **IM Distortion:** under 15%. **Rise Time:** 1.5 µsec. **Hum:** —85 db. 8, 16 ohms. With cage. x15x8". For 110-120 v., 60 cycle AC. 28 lbs.
2 SU 468-G. *$10 Monthly*. 199.00

COUSTECH IV PREAMP KIT. Matches power amplifier above. as balance, volume, bass and treble controls. 3 switched low-vel stereo inputs, 2 high-level inputs. Full taping facilities. **esponse:** 20-20,000 cps. **IM Distortion:** less than 0.15% (phono). ith metal cage. 5x15x8". For 110-120 volts, 60 cycle AC. Shpg. t., 12 lbs.
2 SU 496-G. *$8 Monthly*. 149.00

ACOUSTECH V

NEW Acoustech V 60-Watt Amplifier

Now at a significantly low price, famous Acoustech-quality solid-state stereo preamp and power amplifier combined on a single chassis. The Acoustech V's ability to handle transients is remarkable! Entire power stage uses silicon transistors for ultra-dependability, lowest distortion and outstanding high-frequency response.

Features oversize heat-sinks, computer-grade capacitors, direct-coupled circuits, and massive power transformer in a power supply with better than 10% regulation. Delivers full-rated power with both channels driven *simultaneously*. **Controls:** 2 bass, 2 treble, level, balance, mode, input selector, muting, 3 switched low-level stereo inputs, 2 high-level, and tape facilities. **Rise Time:** 2 µsecs. **IM Distortion:** below 0.5% at full power. 8 and 16 ohms. 5x13¼x 12". Includes metal cage. For 110-120 v., 60 cycle AC. Shpg. wt., 30 lbs.
72 SU 469-G. *$15 Monthly*. 299.00

Basic Solid-State Stereo Amplifier and Matching Preamps

COUSTECH I 80-WATT BASIC AMPLI-ER. 4 silicon output transistors, direct-oupled circuit, oversize filter capacitors. elivers 80 watts with both channels driven *multaneously*. **Harmonic Distortion:** 0.95%, 0-20,000 cps at 80 watts. **Rise Time:** 2.5 sec. **IM,** 0.95%. **Hum:** —85 db. 8, 16 ohms. x15¾x12". With metal cage. 110-120 v., 0 cycle AC. 30 lbs.
2 SU 499-G. *$18 Monthly*. . . .395.00

COUSTECH VI PREAMP. Complete stereo ontrol center with provisions for 2 magnetic cartridges (or one magnetic cartridge and tape deck, NAB equalized), tuner auxiliary, and tape monitor inputs. Has step tone, level, stereo balance, mode, and muting controls. **IM Distortion:** below 0.9%. With metal cage. 5x15¾x8". Shpg. wt., 14 lbs.
72 SU 470-G. *$13 Monthly*. **249.00**

ACOUSTIC II PREAMP. Deluxe! Full stereo facilities. Matches Acoustech I. Metal cage included. For 110-120 v., 60 cycle AC. 5x 15¾x12". 15 lbs.
72 SU 680-G. *$17 Monthly*. **348.00**

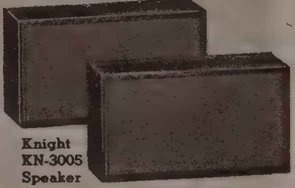
ACOUSTECH I

ACOUSTECH VI

Sherwood Deluxe Stereo Music Systems

S-7700-II Receiver In Optional Case

Save
$70.80
Complete System
$\$444^{95}$
$20 monthly


Knight KN-3005 Speaker Systems

Garrard AT-60 with Walnut Base

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1 and Shure M7/N21D

80-Watt Stereo FM-AM-Phono System

Deluxe array of components, specially selected to bring you superb stereo listening. You save a big $70.80 off regular catalog prices of individual components purchased separately.

SHERWOOD S-7700-II RECEIVER combines a sensitive FM tuning section with a multiplex demodulator and a 40 watt-per-channel stereo amplifier. Offers a full array of controls, deluxe features, inputs for every music source. Excellent AM reception, too.

GARRARD AT-60 CHANGER plays all record speeds and sizes. Combines turntable performance with record changer convenience. Has silent 4-pole motor that accurately drives oversize turntable platter; precision balanced arm tracks flawlessly.

PICKERING, EMPIRE, SHURE CARTRIDGE—Each is light-tracking magnetic type for excellent sound; has long-lasting diamond needle to protect records; in plug-in head for changer.

KNIGHT KN-3005 SPEAKER SYSTEMS offer 3-way design. 10" bass woofer, 6½" midrange, 3½" VHF tweeter. Cover 40-16,000 cps. Precise design; acoustically padded. Only 12x22x8". Handsome oiled walnut veneer finish with contrasting grille cloth.

All required connecting cables are supplied—ready to play in minutes. Sherwood receiver less case, below. Shpg. wt., 118 lbs. Express.

21 HF 410-G. Specify Cartridge. *$20 Monthly*......**444.95**

Stereo FM-Phono System—Save $70.80

Similar to above system, but **Sherwood S-8000-IV 80-Watt Stereo Multiplex FM Receiver** in place of S-7700-II. Has same features but does not include AM tuning section. Receiver less case, below. Shpg. wt., 116 lbs. Shipped express.

21 HF 411-G. Specify Cartridge. *$18 Monthly*......**399.95**

72 SU 475. Metal Case. Walnut leatherette. 6 lbs........**9.50**

72 SU 416. Wood Case. Oiled walnut. 9 lbs...........**29.50**

80-Watt Stereo Phono System

Superior-sounding group of deluxe components provides wonderful stereo listening. You save $88.80 off regular catalog price of individual components purchased separately.

SHERWOOD S-5500-IV AMPLIFIER provides plenty of power for distortionless sound. Wide frequency response; scratch and rumble filters. Has a full complement of front-panel controls and operating features, plus inputs for every music source. Real connoisseur sound quality.

GARRARD A-70 AUTOMATIC TURNTABLE handles your records with care. Plays all four speeds, intermixes all size records of the same speed. Shuts off after the last record has played. Has powerful silent-running 4-pole motor, oversize turntable platter, precision balanced pick-up arm for flawless record tracking.

PICKERING, EMPIRE, SHURE CARTRIDGE—are light-tracking, magnetic type. Whichever you choose has a long-lasting diamond needle. Supplied in a plug-in head to fit A-70.

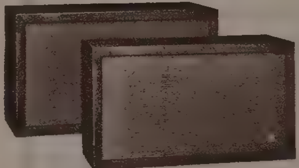
KNIGHT KN-2281 SPEAKER SYSTEMS have 10" high-compliance woofer for outstanding bass, 3½" midrange radiator for superb presence, 3½" VHF tweeter for crisp, clean highs. Response, 30-18,000 cps. A compact 13x23x10", place them on shelves, mantels, tables—offer unlimited decorator possibilities. Handsome oiled walnut finish with contrasting grille matches any motif.

Takes only minutes to connect the record changer and speaker systems to amplifier. All required connecting cables are supplied. Amplifier less case, listed below. Shpg. wt., 119 lbs. Shipped express.

21 HF 412-D. Specify Cartridge. *$15 Monthly*....**296.95**

72 SU 516-G. Metal Case. Walnut leatherette. 6 lbs....**7.50**

S-5500-IV Amplifier In Optional Case


Two Knight KN-2281 Systems

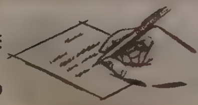
Garrard A-70 with Walnut Base

Save
$88.80
Complete System
$\$296^{95}$
$15 monthly

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1 and Shure M7/N21D

WRITE TO ALLIED



SAVE ALSO ON A SYSTEM OF YOUR OWN CHOICE

See pages 145 to 152 for other selected stereo systems at money-saving prices. Or get comparable savings on a system you choose yourself. Write to Allied's Hi-Fi Manager, indicating desired components. We will rush you a money-saving system price quotation.

New Compact Stereo System by SCOTT

w All-Transistor Scott "Stereo Compact"

299^{95}

15 monthly

- Complete Matching Music System
- Powerful All-Transistor Amplifier
- Precision Garrard Record Changer
- Matching 2-Way Speaker Systems
- Provision for FM Tuner Module

nplete stereo system occupies a minimum of space. ce-age marvel of modular circuitry makes possible this active, deluxe performing instrument. Stereo amplifier, ord changer, two hi-fi speaker systems and compart- nt for an optional stereo FM tuner module—all in a unit larger than a medium-size suitcase. Powerful all-tran- or amplifier develops remarkably clean, wide-range eo frequency response.

nous Garrard 4-speed automatic changer has oversized tter; counterbalanced tone arm and magnetic cartridge h diamond needle. Speaker systems have separate ofer and tweeter with built-in crossover network to arate low and high frequencies.

ntrols: 3-position input selector; mode selector; sepa- bass and treble; volume/balance; speaker switch; ver switch; headphone jack. Less stereo FM module, ow. Cabinet, 8¼x24½x15"; each speaker system, x14x5⅝". Cabinet includes extra compartment with novable panel to accommodate easily attached FM eo tuner, to be announced. In oiled walnut. For 110- v., 60 cycle AC. Shpg. wt., 45 lbs.

SU 684-G. *$15 Monthly*..............299.95

Matching 2-Way Low-Resonance Speaker Systems

Now—You Get Superior Scott Quality in a Newly Developed Deluxe Stereo System That's Fully Transistorized—Perfect For Small Apartments, College Dormitories, Summer Cottages, Mobile Homes.

The Ultimate in Stereo Components

odel 7 Stereo nsole Preamp Wood Cabinet

Model 8B 70-Watt Deluxe Stereo Basic Amplifier

Model 7 Stereo Console Preamplifier

perb stereo preamplifier for the demanding audiophile. Features surpassed control versatility, and the finest workmanship. **Front nel Controls:** 8-pos. Selector, 5-pos. Mode, Volume, Balance, 2— eble, 2—Bass, 3-pos. Phono Equalization; Tape Playback or nitor, High Filter, Rumble Filter, Off-On. **Rear Panel:** output level ustments, 3 pairs of outputs, tapehead equalizer adjustments, 6 outlets, 9 pairs of inputs, system ground. **Response:** ±0.2 db, 20,000 cps. **IM Distortion:** 0.02%. **Noise:** —80 db. Less cabinet, low. Size, 5¾x15⅜x8½". For 110-120 v., 50-60 cycle or 235 v. 50 cle AC. Shpg. wt., 15 lbs.

SU 269-G. *$14 Monthly*.......................285.00

SX 270-G. Wood Cabinet. For above. Beautifully finished oiled lnut. 6¾x17¾x10¼". Shpg. wt., 7 lbs.................**24.00**

Model 8B 70-Watt Stereo Basic Amplifier

aditional Marantz craftsmanship is clearly exemplified by this re- rkable basic amplifier. Each channel delivers 35 watts (70 tts peak). Changing two connections permits 18-watt triode eration of each channel for unsurpassed stereo. Built-in bias eter assures optimum operation at all times. **Frequency Response:** 0.1 db, 20-20,000 cps at rated output. **Harmonic and IM Distortion:** s than 0.5%. **Output Impedance:** 4, 8, 16 ohms. Uses 4—EL34 tput tubes. Compact size, 7¼x13½x10½". For 105-125 v., 50-60 cle AC. Shpg. wt., 58 lbs. Shipped express.

SZ 275-G. *$14 Monthly*.........................285.00

SX 276-G. Gold-Finished Perforated Grille. 1 lb......**10.50**

New Model 10B Stereo Multiplex FM Tuner

- Superb Selectivity, Sensitivity and Quieting Specifications
- Automatic Stereo Switchover When You Tune a Stereo Broadcast
- Oscilloscope Indicator for Extremely Simple and Accurate Tuning

Designed in accordance with advanced techniques employed in telemetry and satellite communication, the Model 10B opens the door to a new world of incredible stereo FM reception. Highly developed circuitry provides razor sharp selectivity to single out weak signals of small or distant stations right next to powerful signals of strong, local stations. Extremely high sensitivity brings in clean reception even in fringe areas, while exceptionally fine quieting and multipath ("ghost") rejection assures cleaner reception with any antenna. Oscilloscope tuning indicator offers most accurate tuning, plus visual display of field strength, deviation and best antenna setting. Other superb quality features include: 6 permanently aligned IF stages; 9 symmetrical aperture limiters; extra wideband detector; 4-section tuning gang; automatic stereo indication and switchover to stereo mode when you tune a stereo broadcast. **Sensitivity:** 2μv for better than 35 db quieting. Size, 5¼x14⅜x15". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 35 lbs.

72 SU 273-G. *$27 Monthly*.......................650.00

72 SX 274-G. Wood Case. For Model 10B. Beautifully finished in oiled walnut. 6¾x17¾x17¼". 10 lbs....................**36.00**

EICO
SELECTOR
MODE
BALANCE
LEVEL

ST-70K
ST-40K

Add to Your Hi-Fi Pleasure—Build Top-Quality Stereo Components Yourself

ST-70K 70-Watt Stereo Amplifier Kit

Moderately priced, conservatively rated stereo amplifier kit that's long been an audiophile favorite. Puts out a powerful 35 watts per channel for true-to-life sound down to the lowest frequencies. Its wide array of controls include: concentric individual bass and treble for each channel; level; balance; balance check switch; tape monitor and equalization switches; rumble and scratch filters; volume/loudness switch. Stereo inputs with selector switch for tape/auxiliary, tape head, mag. cartridge, ceramic phono, FM-AM and tuners. **Frequency Response:** ±1 db, 9-60,000 cps. **Harmonic Distortion:** 0.5% at full rated power. **IM Distortion:** 1% at full rated power. **Hum and Noise:** better than 50 db. **Output Impedances:** 4, 8, and 16 ohms. Precision circuit features 11 tubes, rectifier. Attractive, modern design control panel features tasteful gray, gold and white styling. Size, 5x15⅞x16". Supplied complete with durable metal case. For operation from 110-120 volts, 60 cycle AC. Shpg. wt., 47 lbs.

72 SU 307-G. *$5 Monthly*............................99.95

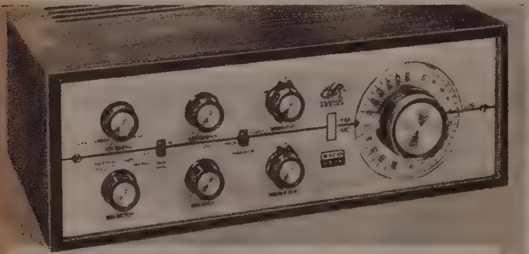
72 SU 308-G. Model ST-70. Same amplifier as above, but factory assembled. *$8 Monthly*............................**149.95**

ST-40K 40-Watt Stereo Amplifier Kit

Popular, medium power version of the ST-70K. Controls virtually every source. Plenty of power for pure sound across the audio spectrum. Separate pairs of inputs are provided for: preamplified tape, tape head, two magnetic cartridges, and two pairs of tuner/auxiliary inputs. For each stereo source there is a separate pair of inputs and a separate position on the selector switch. Other controls include tape monitor switch; separate level and balance controls; balance check switch; scratch and rumble filters; loudness compensation switch; individual feedback-type bass and treble tone controls for each channel. Direct center channel speaker connection. **Output:** 40 watts (20 watts per channel); 80 watts peak. **Frequency Response:** ±1 db, 40-20,000 cps. **Harmonic Distortion:** 0.5% at rated power. **IM Distortion:** 1% at rated power. **Hum and Noise Level:** 54 db. **Inverse Feedback:** 18 db. **Power Consumption:** 165 watts. **Output Impedances:** 4, 8 and 16 ohms. 10 tubes, rectifier. Size, 5x15⅞x14". With metal case. For 110-120 v., 60 cycle AC. Shpg. wt., 38 lbs.

72 SU 305-G. *$5 Monthly*............................79.95

72 SU 306-G. Model ST-40. Same amplifier as above, but factory assembled. *$7 Monthly*............................**129.95**



2536K 36-Watt Stereo FM Receiver Semi-Kit

- **All Critical Wiring Is Done For You at the Factory**
- **Excellent Control Flexibility**
- **Fine Specifications**

Simplified assembly and a power rating suitable for just about any speaker come together in this deluxe combination stereo amplifier/stereo multiplex FM tuner kit. "Semi-kit" means no adjustment problems for you—critical circuitry in FM front end, 4-stage IF strip and ratio detector are pre-wired and pre-aligned at the factory. Amplifier section has 36-watt IHF (18 watts per channel) output to assure clean response from the highest to the lowest frequencies. Offers dual concentric bass and treble controls; blend, balance and loudness controls. Tuner section features precision rotary dial with illuminated readout, plus bar-type tuning eye that also indicates reception of a stereo multiplex FM broadcast. **IHF Sensitivity:** 3 μv. **Overall Frequency Response:** ±1 db, 15-40,000 cps. **Harmonic Distortion:** less than 0.6%. **Hum and Noise Level:** better than −65 db. **Inputs:** mag. phono, tape and monitor. **Impedances:** 8 and 16 ohms. 18 tubes, rectifier. Brushed aluminum and gold panel. Size, 5⅝x15⅞x13⅝". Less optional cases, below. For 110-120 v., 60 cycle AC. Shpg. wt., 28 lbs.

72 SU 600-G. *$8 Monthly*............................154.95

Optional Cases

METAL CASE. For 2536K above. Wt., 8 lbs.

72 SU 602-G............................7.50

WOOD CASE. Walnut finish. Shpg. wt., 8 lbs.

72 SU 603-G............................19.95

ST-97K Stereo FM Tuner Semi-Kit

All Critical Wiring And Alignment of Front End And IF Strip Is Done For You

Provides excellent reception of both stereo multiplex and conventional FM broadcasts. The ST-97K is fun to build, too. To save you time, all critical parts, including front end and 4-stage IF strip, are pre-wired and pre-aligned at the factory for your convenience. Expertly engineered and ultra-sensitive front end features temperature compensation and AFC with defeat for stable, low noise operation. A total of four IF stages and wide band ratio detector provide maximum sensitivity with lowest distortion. Near zero phase-shift and 15-kc interference filters in wide-separation stereo multiplex circuit assure sparkling clean stereo FM reception. Double slide-rule dial has two tuning indicators traveling in tandem to indicate the exact center of each broadcast channel and to clearly show you stations that are broadcasting stereo multiplex. **Sensitivity:** 3 μv IHF. **Response:** ±1 db, 20-15,000 cps. **Distortion:** 0.6%. **Separation:** 30 db. Cathode follower outputs. Size, 5⅛x15⅞x11⅜". Supplied complete with metal case. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 20 lbs.

72 SU 309-G. *$5 Monthly*............................99.95

72 SU 310-G. Model ST-97. Same tuner as above, but factory assembled. *$8 Monthly*............................**149.95**

MX-99K Multiplex Adapter Kit

Self-powered multiplex adapter that plugs into any FM tuner with a multiplex input. Automatically receives and indicates stereo FM broadcasts. 35 db separation. 3⅞x9⅛x6⅜". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 10 lbs.

72 SX 321-G. *$5 Monthly*...39.95

72 SX 322-G. Metal Case. 3 lbs.**2.95**

New All-Transistor FM Receiver Kit by EICO

3566K 66-Watt Stereo FM Receiver Semi-Kit

Features solid-state circuitry for superb listening from records and sparkling reception of stereo and mono FM broadcasts. Critical RF front end, 4 IF stages, limiters and multiplex circuit are pre-wired and pre-aligned. Stereo FM tuner section highlights all-transistor RF front end for high sensitivity, low noise and cool operation. All-transistor multiplex circuit provides wide stereo separation. Automatically indicates and switches to stereo mode when you tune a stereo FM broadcast. D'Arsonval tuning meter. Amplifier section has no transformers; clear, pure bass with no transient distortion. Controls and inputs for versatile handling of all stereo and mono sources. Impedances, 8, 16 ohms. 5x16½x13¼". Less case, below. For 110-120 v., 60 cycle AC. Wt., 30 lbs.

72 SU 616-G. *$12 Monthly*................229.95
72 SU 617-G. Wired Model. Has walnut case. **349.95**
72 SX 618-G. Oiled Walnut Case. For 3566K. 5 lbs. **9.95**

229^{95} $12 monthly

SPECIFICATIONS

FM Tuner Section

FM Sensitivity: 2.7 μv for 40 db quieting.
Frequency Response: ±1 db, 20-15,000 cps.
Harmonic Distortion: 0.5%.
Channel Separation: 38 db.
Signal-to-Noise Ratio: 60 db.

Amplifier Section

Output: 66 watts; 33 watts per channel.
Response: ±1 db, 20-20,000 cps at 25 watts.
Harmonic Distortion: 0.4% at 25 watts.
Hum and Noise: −70 db.

- Solid-State Stereo—Now In Easy-to-Build Kit Form
- All Critical Parts Are Pre-Wired And Pre-Aligned
- All-Transistor Design Provides High Sensitivity, Low Noise and Hum, and Extremely Cool Operation
- Highly Refined Time-Switching Multiplex Circuitry

Quality Hi-Fi Tuner Kits for FM and AM Listening

Model HFT-90A-K FM Tuner Kit

Features factory wired, pre-aligned front end for simplified assembly. Easily converted to stereo multiplex FM tuner with MX-99K Multiplex Adapter Kit (see left-hand page). Tuning eye; temperature compensated components. Sensitivity: 1.5 μv for 20 db quieting. 3⅝x12x8¼". Less metal case, below. For 110-120 v., 50-60 cycle AC. 13 lbs.

72 SX 620-G. *$5 Monthly*....................44.95
72 SU 621-G. Model HFT-90A. Above, wired. *$5 Monthly*.......**69.95**
72 SX 337-G. Metal case. For above. 4 lbs....................**3.95**

HFT-90A-K FM Tuner Kit

Model HFT-92A-K FM-AM Tuner Kit

Easily assembled tuner offering sensitive reception of both FM and AM broadcasts. Multiplex ready—just add MX-99K Multiplex Adapter Kit (on left-hand page) for exciting stereo FM reception. Pre-wired and pre-aligned front end; temperature compensated components; tuning eye. Sensitivity: 1.5 μv for 20 db quieting. 3⅝x12x8¼". With metal case. For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

72 SX 670-G. *$5 Monthly*....................64.95
72 SU 671-G. Model HFT-92A. Above, wired. *$5 Monthly*.......**99.95**

HFT-92A-K FM-AM Tuner Kit
HFT-94A-K AM Tuner Kit

Model HFT-94A-K AM Tuner Kit

Extremely popular AM tuner—a perfectly matched companion for FM tuners such as the HFT-90A-K, above. Many fine features—including wide and narrow bandpass; tuned RF stage; tuning eye; whistle filter. Supplied complete with metal case. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs.

72 SU 673-G. *$5 Monthly*....................44.95
72 SU 674-G. Model HFT-94A. Above, wired. *$5 Monthly*.......**69.95**

Deluxe Model ST-96K FM-AM Tuner Kit

Adds sensitive coverage of FM and AM broadcasts to your hi-fi system. Multiplex-ready for use with MX-99K Multiplex Adapter Kit (on left-hand page) to provide sparkling reception of stereo FM. Pre-wired and pre-aligned RF and IF stages, front end and tuning eyes. Has AFC and ratio detector. Sensitivity: 1.5 μv for 20 db quieting. 5x17⅞x14". With metal case. For 110-120 v., 50-60 cycle AC. 27 lbs.

72 SU 311-G. *$5 Monthly*....................89.95
72 SU 320-G. Model ST-96. Above, wired. *$7 Monthly*........**129.95**

ST-96K FM-AM Tuner Kit

See Eico Hi-Fi Systems on Page 150

Bogen New All-Transistor Stereo Components

Special Allied Price

$439.96 $19 monthly

- 100 Watts of Exceptionally Clean Power Output
- All-Transistor Circuitry—Gives You Pure, Transparent Stereo Sound Reproduction
- Excellent Stereo Separation, Selectivity and Sensitivity
- Automatic Stereo Switching The Instant That Programming Changes to Stereo FM

RT1000 100-Watt All-Transistor Stereo Multiplex FM-AM Receiver

Up-to-the-minute, solid state circuitry is the big news in this highly flexible receiver. Space-age circuitry, featuring 43 transistors and 22 diodes, gives you instantaneous stereo sound that's really beautiful—you have to hear it to believe it! Amplifier section delivers 100 watts of exceptionally clean power to drive any speaker systems. You hear the wide stereo spectrum in all its richness—from the lowest organ tones to the tinkling of the triangle. All-transistor circuitry runs remarkably cool, ends heat problems. Tuner section features wide stereo separation, razor-sharp selectivity and top-notch sensitivity that approach professional excellence. Set it on "Automatic", and it instantly switches to stereo mode whenever you tune a stereo broadcast. "Stereo Minder" indicator lights up automatically when you dial an FM station broadcasting in stereo. *Tuner Specifications. FM Section:* **IHF Sensitivity**, 0.85 μv for 20 db quieting. **Separation**, 35 db at 1000 cps. *AM Section:* **Sensitivity**, 75 μv per meter for 20 db quieting. *Amplifier Section:* **IHF Output**, 100 watts; 50 watts per channel. **Response**, ±1 db, 15-45,000 cps. **Distortion**, 0.6% at rated output. **Hum and Noise**, −80 db. **Inputs**, Mag. Phono, Tape, Aux., Tape Monitor. **Controls**, Monitor Switch; Mode Switch; Phase Switch; Speaker/Phones Switch; AFC Defeat Switch; Power On-Off Switch; 6-Position Mode Selector; Stereo Balance/Reverse; Volume/Loudness; Base/Lo Filter; Treble/Hi Filter; Tuning. **Outputs**, 8 and 16 ohms to speaker; stereo tape; center channel; headphones. **Size**, 4⅝x16$\frac{3}{16}$x15$\frac{13}{16}$". Less case, listed below. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 31 lbs.

72 SU 560-G. *$19 Monthly*........................**439.96**
72 SX 561-G. WE-10 Oiled Walnut Case for Above. 7 lbs. **23.96**

New Solid-State Stereo Amplifier and Stereo FM Tuner

AT-600 60-Watt All-Transistor Stereo Amplifier

$179.96 $9 monthly

- Special Low Price
- 23 Transistors, 6 Diodes, 6 Rectifiers
- Virtually Instant, Heat-Free Operation

Gives you the amazing realism that all-transistor circuitry brings. Offers remarkably pure response across the entire audio spectrum. Minimizes hum and noise. Operates instantly—no warm-up required. Emits very little heat. **Output**: 60 watts IHF; 30 watts IHF each channel; 25 watts continuous sine-wave per channel. **Response**: ±1 db, 15-50,000 cps. **Harmonic Distortion**: 0.6%. **Hum and Noise**: Tuner and Aux., −65 db; Mag. Phono, −60 db; Tape, −55 db. **Sensitivity**: Tuner and Aux., 250 mv; Mag. Phono, 2.5 mv; Tape, 1.5 mv. **Inputs**: Mag. Phono, Tape, Tuner, Aux. **Outputs**: 4, 8 and 16 ohms: Stereo Tape; Headphones. Size, 4⅝x15x10". Less cases, listed below. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 18 lbs.

72 SU 562-G. *$9 Monthly*........................**179.96**
72 SX 564-G. EN-11 Walnut Vinyl-clad Metal Case. 6 lbs. **11.96**
72 SX 565-G. WE-11 Oiled Walnut Case. 7 lbs. **22.36**

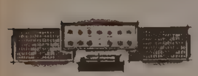
FT-60 All-Transistor Stereo Multiplex FM Tuner

$187.96 $10 monthly

- Special Low Price
- 15 Transistors, 11 Diodes, 2 Rectifiers
- Automatic "Stereo Minder" Indicator

New solid state stereo multiplex FM tuner—a perfectly matched companion for any stereo amplifier, transistor or tube-type. Set it on "Automatic", and it instantly switches to stereo mode whenever you tune a stereo broadcast. Precision-engineered all-transistor circuit reduces hum, noise and heat to a minimum. **Sensitivity**: 2.5 μv. **Response**: ±1 db, 30-15,000 cps. **Hum and Noise**: −60 db. **Selectivity**: 225 kc. **Image Rejection**: 60 db. **Stereo Separation**: 35 db. **Controls**: Mode Selector Switch, AFC Switch, Tuning, Power On-Off Switch. Also includes tuning meter, automatic "Stereo Minder" pilot light. Size, 4⅝x15x10". Less cases, below. For 110-120 v., 60 cycle AC. Shpg. wt., 14 lbs.

72 SU 563-G. *$10 Monthly*........................**187.96**
72 SX 564-G. EN-11 Walnut Vinyl-clad Metal Case. 6 lbs. **11.96**
72 SX 565-G. WE-11 Oiled Walnut Case. 7 lbs. **22.36**



Buying a Stereo System?

See page 147 for stereo systems featuring Bogen components . . . or write for a money-saving quotation on a system of your choice with Bogen components.

Stereo Components at Budget Prices **Bogen**

$111 96
$6 monthly

Special Low Price

- Deluxe Time Division Multiplex Circuit
- Effortless Flywheel Tuning, Automatic "Stereo Minder" Tuning Eye

Special Low Price

- Excellent Stereo From Every Source
- Stereo Headphone Jack on Front Panel

$79 96
$5 monthly

New TP-35 Stereo Multiplex FM Tuner

nsitive stereo and monophonic FM reception at an economy price. eal stereo partner for AP-35 stereo amplifier. Features deluxe me Division multiplex circuitry; smooth flywheel tuning; automatic Stereo Minder" that lights when you receive a stereo broadcast. nsitivity: 3 mv. **Response:** ±½ db, 30-15,000 cps. **Distortion:** 5%. **Hum and Noise:** —60 db. **Stereo Separation:** 35 db. **Selectivity:** 0 kc. **Image Rejection:** 55 db. **Controls:** Mode Selector, Power n-Off Switch, AFC Switch, Tuning. Automatic "Stereo Minder", ning level indicator. 4¾x15x11⅝". Less case, below. For 110-120 , 60 cycle AC. Wt., 21 lbs.

2 SU 566-G. *$6 Monthly*............................111.96

2 SX 571-G. EN-12 Walnut Vinyl-clad Metal Case for TP-35 and P-35. Shpg. wt., 6 lbs.................................**11.96**

New AP-35 35-Watt Stereo Amplifier

A remarkable value! Surprisingly low cost power source for dramatically realistic stereo music. Plenty of power to handle any and all stereo music sources—35 watts IHF (17½ watts IHF per channel). **Frequency Response:** ±1 db, 20-20,000 cps. **Distortion:** 0.6% at rated power. **Hum and Noise:** Mag. Phono and Tape, —55 db; Tuner and Aux., —70 db. **Sensitivity:** Mag. Phono and Tape, 4.5 mv; Tuner and Aux., 0.5 v. **Controls:** Input Selector, Balance, Loudness/Volume, Treble, Bass, Mode Selector Switch, Speaker/Phones Switch, Power On-Off Switch. **Outputs:** 8 and 16 ohms to speaker; Stereo Tape. **Inputs:** Mag. Phono, Tape, Tuner, Aux. Front panel headphones jack. Takes same case as TP-35, at left. 4¾x15x11⅝". For 110-120 v., 60 cycle AC. Shpg. wt., 21 lbs.

72 SU 576-G. *$5 Monthly*............................79.96

Hi-Fi Receivers for Thrilling FM-AM Listening—Big Savings

EDUCED 20% OFF 1964 CATALOG 230 PRICES

RP230 30-Watt Stereo Multiplex FM-AM Receiver

great "heart" for your home stereo entertainment center. Stereo ultiplex FM, monophonic FM and AM, plus a 30-watt power ipply for all other stereo and mono music sources—all in one spaceving component. "Stereo Minder" and tuning level indicators. utput: 30 watts IHF; 15 watts per channel. **Response:** ±1 db, 20-,000 cps. **FM Sensitivity:** 3 µv. **Distortion:** 0.6%. 5¼x15¹⁵⁄₁₆x15". ess cases, below. For 110-120v., 60 cycle AC. 33 lbs.

2 SU 531-G. *$10 Monthly*............................199.96

2 SX 502-G. EN-7 Metal Case. Wt., 6 lbs...............**10.36**

2 SX 503-G. WE-7 Wood Case. Walnut veneer. 7 lbs....**23.96**

RP60 60-Watt Stereo Multiplex FM-AM Receiver

oads of power, proven reliability, remarkable versatility, life-ke stereo reproduction—all at an exceptionally low price. Just dd speaker systems to receive the magic of stereo multiplex FM as ell as monophonic FM and AM in your home. Full array of controls include "Stereo Minder" and tuning level indicators, front anel headphone jack. 60 watts IHF; 30 watts per channel. **Re-**ponse: ±1 db, 20-20,000 cps. **FM Sensitivity:** 2.5 µv. **Distortion:** 6%. **Outputs**: 4, 8, 16 ohms. 5¼x15¹⁵⁄₁₆x15". Takes same cases as P230, above. For 110-120 v., 60 cycle AC. 33 lbs.

2 SU 500-G. *$13 Monthly*............................251.96

2 SU 577-G. RPF-60. As above, but FM only...........**223.96**

RP100-BM 15-Watt Hi-Fi FM-AM Receiver

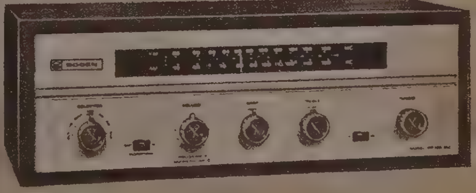
xcellent for restaurants, reception rooms and schools. Hi-fi tuner/mplifier easily converts to public address or paging unit—just plug nike into input provided. Optional RY-2 relay, below, mutes music uring page. ±1 db, 20-20,000 cps. 8 and 16-ohm outputs; 25-volt utput for up to 60 speakers. 4¾x15x12½". Less cases, below. For 10-120 v., 60 cycle AC. 21 lbs.

2 SU 512-G. *$8 Monthly*............................149.28

2 SX 559-G. EN-1 Metal Case. Wt., 6 lbs...............**10.36**

2 SX 569-G. WE-9 Wood Case. Walnut veneer. 7 lbs....**21.56**

2 S 597-G. RY-2 Relay. Wt., 1 lb.........................**8.32**



McIntosh
MX110
$399.00
less cabinet
$18 monthly
C24
$249.00
less cabinet
$13 monthly
MC240 $15
$288.00 monthly

Professional-Quality Hi-Fi Components

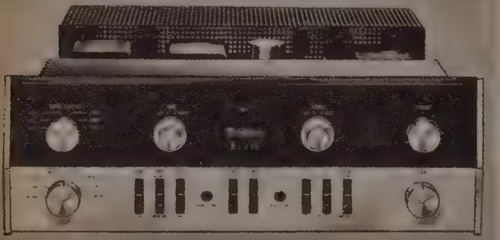
MODEL MC240 80-WATT STEREO BASIC AMPLIFIER. Meets professional standards . . . you'll realize the dramatic difference in music reproduction when you listen to this instrument. Distortion is imperceptible to the human ear, even at full power. Controls include: Stereo/Mono switch; Balance; separate gain controls for each channel and for monophonic operation. Power: 80 watts continuous (40 watts per channel); Response: +0, −0.5 db, 16-60,000 cps. Distortion: less than 0.5% at rated output, 20-20,000 cps. Hum and Noise: −90 db. Output Impedances: 4, 8 and 16 ohms. 8x10¾x17¼". Chrome and black. For 105-130 v., 50-60 cycle AC. Shpg. wt., 62 lbs. Shipped by express.
72 SZ 291-G. *$15 Monthly*..........................288.00

MODEL MC40 40-WATT MONOPHONIC BASIC AMPLIFIER. (Not illus. Similar in appearance and specifications to MC240 above.) Impedances: 4, 8, 16, 125, 150 and 600 ohms, plus 25 and 70.7 volts. Has AC convenience outlet, and switch to compensate for high or low line voltage. 7⅞x8⅛x13¾". Shpg. wt., 38 lbs.
72 SU 281-G. *$8 Monthly*..........................159.00

MODEL MC75 75-WATT DELUXE MONOPHONIC BASIC AMPLIFIER. (Not illus. Resembles MC240). McIntosh's best monophonic basic amplifier. Use a pair for super-power stereo of phenomenal realism. Specs similar to MC240. 4, 8, 16, 67, 150, 600 ohms, plus 25 and 70.7 volts. 8¼x8¼x16¾". 51 lbs. Shipped express.
72 SZ 285-G. *$12 Monthly*..........................229.50

MX110 STEREO FM TUNER-PREAMPLIFIER. Engineered to delight the most critical listener. Exclusive "Panloc" installation—unit slides in or out of mounting by simply depressing panel buttons. Controls include: Muting; Low- and High-Frequency Filter; Loudness Contour; Tape Monitor; Phasing; Volume, Balance. Has tuning meter, Stereo indicator. Four IFs, 2 limiters. Response: ±0.5 db, 20-20,000 cps. Distortion: under 0.2% at rated output. Hum and Noise: 80 db below rated output. Tuner sensitivity: better than 2.5 μv at 100% modulation. Separation: over 30 db. 17 tubes, 13 diodes, 4 rectifiers. $5\frac{7}{16}$x16x13". Uses L10 cabinet below. For 105-125 v., 50-60 cycle AC. 39 lbs.
72 SU 330-G. *$18 Monthly*..........................399.00
72 SX 317-G. L10 Oiled Walnut Cabinet. Wt., 9 lbs.....**25.00**

NEW SOLID-STATE C24 STEREO PREAMPLIFIER. Magnificent combination of McIntosh quality and advanced 18-transistor performance! Unit "warms up" instantly, runs cool, and is free of hum and microphonics. Extraordinary versatility: friction-clutch Bass and Treble; Phono Equalization; Tape Normal or Monitor; High Filter; Low Filter; Phase Normal or Reverse; Speaker On-Off; Loudness Contour; stereo headphone jack; 5-position Input Selector; 7-position Mode Selector. Response: +0, −0.5 db, 20-20,000 cps. Distortion: below 0.1% at rated output. Hum and Noise: 110 db below rated output. $5\frac{7}{16}$x16x11". Uses L10 cabinet above. For 105-125 v., 60 cycle AC. 28 lbs.
72 SU 331-G. *$13 Monthly*..........................249.00



New 60-Watt All-in-One Stereo Amplifier

$349.00 less cabinet $17 monthly
- Maximum Control Potential
- 12 Transistors, 7 Tubes

MODEL MA230. Another McIntosh first! An integrated control center that combines a solid-state preamplifier with a tube-type power amplifier on one chassis. The result: compact design; cool, efficient operation; and stereo performance with stunning realism. Controls: friction-clutch Bass and Treble; Phono Equalization; Tape Normal or Monitor; Phase Normal or Reverse; Speaker On-Off; High and Low Filters; Loudness; 6-position Input Selector; 7-position Mode Selector; two stereo headphone jacks. Response: +0, −0.5 db, 20-20,000 cps. Harmonic and IM Distortion: under 0.5% at rated output. Hum and Noise: 75 db below rated output. Impedances: 4, 8, 16 ohms. $5\frac{7}{16}$x16x14½". Cabinet, below. For 110-120 v., 50-60 cycle AC. 60 lbs. Shipped by express.
72 SZ 332-G. *$17 Monthly*..........................349.00
72 SX 314-G. Oiled Walnut Cabinet. Wt., 10 lbs...**29.00**

MR71
$399.00
less cabinet
$18 monthly

NEW MODEL MR71 STEREO FM TUNER. A superb expression of tuner craftsmanship and engineering know-how. Multipath indicator shows when distortion is caused by reflected signals, enables you to properly orient antenna. "Panloc" mounting—slide tuner onto shelf, lock in by depressing panel buttons. Special filter eliminates subcarrier noise. Automatic electronic stereo-mono switching. Four independent indicators or meters: Signal-Strength and Tuning meters (precision D'Arsonval movements); Multipath and Stereo Multiplex indicators. Five IF stages; two limiters. Cascode RF; double-tuned inputs before nuvistor first RF. Muting and AFC switches. Sensitivity: exceeds 2.5 μv. Separation: better than 30 db. Response: ±0.5 db, 20-20,000 cps. Distortion: less than 0.5% at 100% modulation. Hum and Noise: better than 70 db below 100% modulation. $5\frac{7}{16}$x16x13". Uses same L10 cabinet as MX110 above. For 105-125 volt, 50-60 cycle AC. Wt., 37 lbs.
72 SU 333-G. *$18 Monthly*..........................399.00

MODEL MR67 STEREO FM TUNER. Similar in appearance to MR71. Features Multipath indicator and "Panloc" mounting, described above. Has 3 indicators: Signal-Strength/Multipath indicator, and separate tuning and stereo multiplex indicators. Four IF stages; two limiters. Cascode RF; nuvistor in first stage. Muting switch. Same sensitivity, separation, response, distortion and hum specs as MR71. Size, $5\frac{7}{16}$x16x13". Uses same L10 cabinet as MX110 above. For 105-125 volt, 50-60 cycle AC. 35 lbs.
72 SU 319-G. *$15 Monthly*..........................299.00

Systems Featuring Components by SCOTT®

70-Watt Stereo FM-Phono System

Exquisite music reproduction, extreme versatility and handsome styling—all yours with this specially selected stereo system. You save a big $92.15 off the regular catalog price of individual components purchased separately.

SCOTT 340B 70-WATT RECEIVER brings you exciting stereo multiplex FM, plus regular monophonic FM broadcasts. Automatically switches to stereo. Provides 70 watts of music output. Has tape monitor provision, center channel output, inputs for every music source, stereo headphone jack. Oiled walnut case.

GARRARD AT-60 CHANGER plays all four speeds and all record sizes. Gentle changing mechanism protects your records. Precision balanced pickup arm tracks flawlessly. Oiled walnut base.

PICKERING, EMPIRE, SHURE CARTRIDGE—all have a long-lasting diamond needle. Each is a light-tracking magnetic type with superb fidelity; supplied in plug-in head for changer.

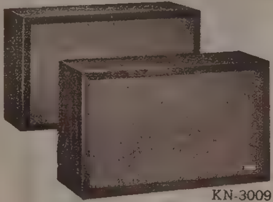
KNIGHT KN-3009 SPEAKER SYSTEMS offer 3-way design. A 10″ woofer with "whizzer" cone and efficient ceramic magnet provides superb bass and mid-range. Electrical crossover channels highs to 3½″ VHF tweeter for treble. Response: 40-16,000 cps. Compact enclosures are 12x20x8″. Oiled walnut finish with contrasting grille cloth; attractive addition to your listening room.

Nothing more for you to buy—connects in just minutes. All required plugs and connecting cables are supplied. Shpg. wt., 125 lbs. Shipped express.
21 HF 400-G. Specify Cartridge. *$19 Monthly*........434.50

ALTERNATE STEREO FM-AM PHONO SYSTEM—SAVE $96.70

Same as above system, but has **Scott 380 70-Watt Stereo Multiplex FM-AM Receiver** in place of 340B. Has same features, but also has sensitive AM tuning section. 125 lbs. Express.
21 HF 401-G. Specify Cartridge. *$21 Monthly*........489.95

340-B Stereo FM Receiver, Case



KN-3009 Speaker Systems

Garrard AT-60, Base

Save $92.15

Complete

$434.50

$19 monthly

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1, and Shure M7/N21D

80-Watt Stereo Phono System

Music reproduction of breathtaking realism combined with space-saving compactness—this outstanding grouping of deluxe components comprises an unbeatable value. You save $47.07 off Allied's low catalog price of components purchased separately.

SCOTT 299D AMPLIFIER provides a big 80 watts of stereo sound. Has a wealth of inputs, equalization curves, selector switches and controls to give you total command of every source of stereo music reproduction. Offers craftsmanship in the famous Scott tradition of quality to assure you of years and years of highly pleasurable listening. In deluxe oiled walnut case.

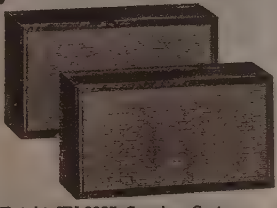
GARRARD AT-60 CHANGER plays all record speeds and sizes. Combines the deluxe performance of a professional turntable with the convenience of an automatic changer. Has husky 4-pole motor that drives an oversize turntable platter. Balanced pickup arm tracks lightly and precisely. Changer mechanism handles your records with care. With oiled walnut base.

PICKERING, EMPIRE, SHURE CARTRIDGE—whichever you choose has a long-lasting diamond needle. Light-tracking magnetic type for superb fidelity. Comes mounted in a plug-in head for AT-60 Record Changer.

KNIGHT KN-3005 SPEAKER SYSTEMS feature true 3-way design for outstanding 40-16,000 cps response. Have 10″ bass woofer for true lows, 6″ midrange for added presence, 3½″ VHF tweeter for crisp clean treble, electrical crossover for smooth speaker transition. Size, a compact 12x22x8″—fit anywhere. Expertly constructed of ¾″ panels, finished in attractive oiled walnut veneer with contrasting grille cloth to match any room decor.

There's nothing else for you to buy—just connect changer and speakers to amplifier, plug amplifier into AC outlet. All connecting cables are included. Shpg. wt., 121 lbs. Express.
21 HF 402-G. Specify Cartridge. *$15 Monthly*........309.95

299D Stereo Amplifier in Walnut Wood Case



Knight KN-3005 Speaker Systems

Save $47.07

Complete System

$309.95

$15 monthly

Garrard AT-60 Changer, Base

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1, and Shure M7, N21D

SCOTT Spectacular Music Systems Values

Scott Model 345 FM Receiver

60-Watt Stereo FM-Phono System

Another unbeatable Allied buy! You get the complete 60-watt stereo music system for only $20 more than the nationally advertised price of the Scott receiver alone.

SCOTT 345 STEREO FM RECEIVER offers renowned Scott quality styling and high-fidelity performance plus a wide array of inputs, outputs and controls for complete flexibility. Frequency response, 20-15,000 cps, ±1 db. Has latest "Series-Gate" time-switching multiplex circuit for better than 30 db separation; "pulse-suppression limiting" for noise-free FM listening; low-impedance symmetrical drive for cooler operation and virtually unmeasurable distortion. Complete with walnut wood case.

KN-990A RECORD CHANGER combines turntable performance with automatic changer convenience. High-torque 4-pole motor; 11" urntable. Professional-type, tubular, lightweight tone arm—for low mass and precision tracking. Complete with walnut wood base.

YOUR CHOICE OF CARTRIDGE: Take your pick of Shure, Pickering or Empire full-range magnetic cartridge, each with diamond needle for long record life.

KN-3002 SHELF-TYPE 2-WAY SPEAKER SYSTEMS are wide-range, efficient speaker systems, that faithfully reproduce the superb sound of the Scott 345 Receiver. Acoustically padded, ¾" oiled walnut enclosures, built to Allied's traditionally high standards. **Overall Response**: 55-15,000 cps. 8" woofer, 3½" tweeter, with heavy magnets. R/C crossover network—crosses over at 4000 cps.

Nothing else to buy. You get Allied's System Booklet and all required connecting cables—plug in and play in minutes. Shpg. wt., 99 lbs. Shipped express.

21 HF 413-G. Specify Cartridge. *$18 Monthly*........384.95

Save

$62.20

Complete System

$\$384^{95}$

$18 Monthly

KN-3002 Speaker Systems

Choice of Cartridge

Empire 880 **Pickering V-15/AT-1** **Shure M7/N21D**

KN-990A Changer

80-Watt Stereo Phono Kit System

SAVE TWO WAYS on this super-power, 80-watt stereo music system! Save because amplifier and speaker systems are in kit form—save again because of Allied's low *system* price.

SCOTT LK-72B 80-WATT STEREO AMPLIFIER KIT is loaded with power—40 watts per channel, for unexcelled sound purity. **Response**: 20-20,000 cps, ±1 db. **Harmonic Distortion**: 0.8%. **Hum and Noise**: −80 db. 4, 8 and 16 ohm outputs for speaker; high-Z output for stereo tape recorder. DC filaments in preamplifier section; scratch and rumble filters; supplied with handsome oiled walnut case.

KN-990A 4-SPEED CHANGER combines turntable performance with automatic changer convenience. High-torque, 4-pole motor; 11" turntable. Professional-type, tubular, lightweight tone arm—for low mass and precision tracking. Complete with walnut wood base.

YOUR CHOICE OF CARTRIDGE: Shure, Pickering or Empire magnetic cartridge, each with diamond needle for long record life.

KN-2260K 3-WAY SPEAKER SYSTEM KITS are floor-type. Exceptionally efficient, they give you glorious sound! **Overall Response**: 30-20,000 cps. **Woofer**: 12", high-compliance type, with ¾-lb. ceramic magnet. Range, 30-3000 cps. **Mid-Range**: 8" enclosed-back, cone-type with 10-oz. ceramic magnet. Range, 30-12,000 cps. **Tweeter**: Compression-type, with alloy, die-cast horn, 2.5-oz. ceramic magnet. 140° dispersion. **Electrical Crossover**: At 3000 and 8000 cps. **Capacity**: 50 watts, peak. In tuned-port, reflex type enclosures, unfinished, sanded, ready for application of oil with a soft cloth.

You also get all cables and Allied System Booklet. Shpg. wt., 145 lbs. Shipped express.

21 HF 414-G. *$14 Monthly*........269.50

Scott LK-72B Stereo Amplifier Kit

KN-2660K Kits

KN-990A Changer

SAVE

$78.02

Complete System

$\$269^{50}$

$14 Monthly

Choice of Cartridge

Empire 880 **Pickering V-15/AT-1** **Shure M7/N21D**

IF YOU PREFER

For Special System Quotations, Write to . . .

Allied's Hi-Fi Manager. Select the components you wish in your music system, and write for a quotation. You'll get savings comparable to those offered on the systems shown here. For greatest savings and highest quality hi-fi components, buy from Allied!

Top-Value System Featuring 233 Amplifier SCOTT

66-WATT STEREO PHONO SYSTEM

Great value in a top-performing yet moderately-priced stereo hi-fi phono system. Comprised of the latest 1965 deluxe components. You save a big $50.02 off regular catalog prices of individual components purchased separately.

SCOTT 233 66-WATT STEREO AMPLIFIER gives big 66-watt stereo output with superb fidelity. Has separate tone controls for each channel, derived center channel output, DC on preamp tube filaments, subsonic cut-off filter, scratch filter, stereo headphone jack on front panel. With handsome oiled walnut wood case.

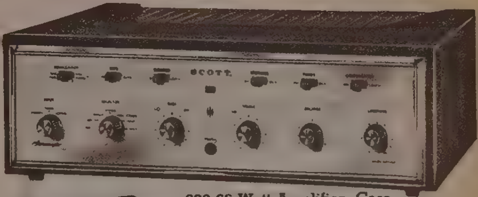
KNIGHT KN-990A CHANGER plays all record speeds and sizes. Intermixes all size records of the same speed. Smooth-operating changer mechanism handles your records with care. Has silent-running 4-pole motor, counterweighted pickup arm for flawless tracking, convenient lever controls. With oiled walnut base.

PICKERING, EMPIRE, SHURE CARTRIDGE—all are light-tracking magnetic type for finest reproduction and long record life; have diamond needles. Supplied in plug-in head for Changer.

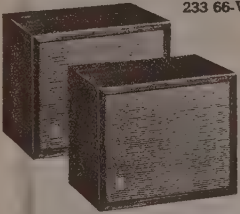
KNIGHT KN-3002 SPEAKER SYSTEMS bring you true 2-way design for excellent music reproduction. Efficient 8" low-frequency woofer for smooth bass reproduction, 3½" VHF tweeter for crisp, transparent highs all the way up to 15,000 cps. Shelf size 12⅜x15x9" enclosures have attractive oiled walnut veneer finish.

Connects in minutes—all required plugs and connecting cables are included as well as Allied's System Instruction Booklet. Shpg. wt., 99 lbs. Shipped express.

21 HF 403-G. Specify Cartridge. *$13 Monthly*........242.50



233 66-Watt Amplifier, Case



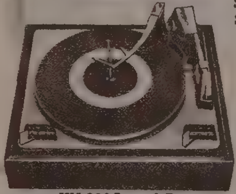
KN-3002 Speaker Systems

Save $50.02

Complete System

$242⁵⁰

$13 monthly



KN-990A and Base

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1, Shure M7/N21D

Systems Featuring Stereo Components by *Bogen*

RP-60 Receiver, Walnut Case

Save $37.22

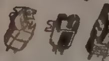
Complete

$379⁹⁵

$18 monthly

Knight KN-3005 Walnut Speaker Systems

Choice of Cartridge



L to R: Empire 880, Pickering V-15/AT-1, Shure M7/N21D

Garrard AT-60 Walnut Base

60-Watt Stereo FM-AM Receiver System

An outstanding value in a superb-sounding stereo system. You save $37.22 off Allied's already low catalog prices.

BOGEN RP60 RECEIVER provides brilliant reception of stereo multiplex FM, monophonic FM, and AM broadcasts. Provides flawless 60-watt stereo output. Has "Stereo Minder," headphone jack, full controls and inputs. Oiled walnut case.

GARRARD AT-60 AUTOMATIC TURNTABLE plays all speeds and sizes. 4-pole motor, counterweighted arm, gentle changing mechanism, oversize turntable. Oiled walnut base.

PICKERING, EMPIRE, SHURE CARTRIDGE—all have diamond needles. Magnetic type for best sound.

KNIGHT KN-3005 SPEAKER SYSTEMS have 3-way design for excellent sound. Utilize 10" woofer, 6" midrange, 3½" tweeter. Response is 40-16,000 cps. Shelf size, 12x22x8", with handsome oiled walnut veneer finish, smart grille cloth.

Nothing else to buy. All required plugs and cables supplied—connects in minutes. 121 lbs. Express.

21 HF 404-G. Specify Cartridge. *$18 Monthly*...379.95

Super-Value 35-Watt Stereo Phono System

Super-value stereo system brings you pleasing music reproduction. You save $28.56 off Allied's already low prices.

BOGEN AP35 AMPLIFIER gives 35 watts of excellent stereo. Switches, controls and inputs give you total command of every source. Walnut vinyl clad metal case.

KNIGHT KN-990A CHANGER plays all speeds and sizes. Intermixes all size records of the same speed. Has 4-pole motor, balanced pickup arm, lever controls. Walnut base.

PICKERING MARK II CARTRIDGE has long-lasting diamond needle. Magnetic type for best sound; widest separation.

KNIGHT KN-3002 SPEAKERS utilize 8" woofer for extended bass response, plus electrical crossover and 3½" VHF tweeter for excellent treble. Overall response is 50-15,000 cps. Just 12x22x8", fit shelves, tables, etc. Handsome oiled walnut veneer finish blends with any room decor.

Nothing else to buy. Includes all cables and instructions . . . ready to play in minutes. Shpg. wt., 105 lbs. Express.

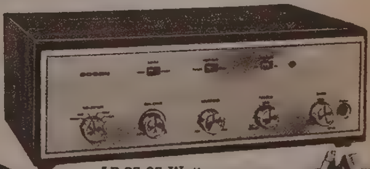
21 HF 405-G. *$9 Monthly*..................164.95

Save $28.56

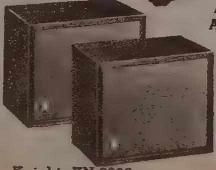
Complete

$164⁹⁵

$9 monthly

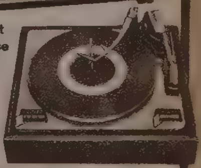


AP-35 35-Watt Amplifier, Case



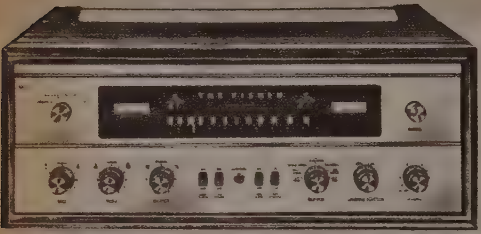
Knight KN-3002 Systems Speaker

Pickering Mark II Cartridge

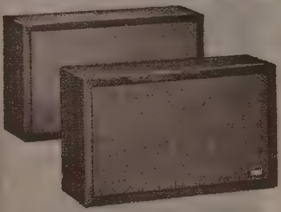


Knight KN-990A Walnut Base

FISHER Deluxe Hi-Fi Music Systems



500C Receiver with Walnut Case



KN-3009 Speaker Systems

Save
$99.83
Complete System
$414.95
$19 monthly

Garrard AT-60 Changer, Base

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1, Shure M7/N21D

75-Watt Stereo FM-Phono System

A perfectly matched group of deluxe components designed to bring you superb stereo listening from your favorite records and from FM. You save a big $99.83 off the regular catalog prices of individual components purchased separately.

FISHER 500C RECEIVER combines sensitive FM tuner with latest multiplex circuitry, plus a stereo amplifier that gives you a big 75 watts of clean, distortionless music. A wealth of deluxe operating conveniences include: "Stereo Beacon" that automatically switches to stereo, tape monitor, D'Arsonval tuning meter, 12 controls and switches plus 17 inputs and outputs for every conceivable music source. With walnut case.

GARRARD AT-60 AUTOMATIC TURNTABLE offers the performance of a turntable plus the convenience of an automatic record changer. Plays all four record speeds and all record sizes accurately and quietly. With walnut base.

PICKERING, EMPIRE, SHURE CARTRIDGE—whichever you choose has a diamond needle and magnetic design for best sound.

KNIGHT KN-3009 SPEAKER SYSTEMS feature 3-way design. 10" woofer with "whizzer" cone and heavy magnet for thrilling bass and mid-range; electrical crossover and 3½" tweeter for crisp, clear treble. Compact shelf size 10x20x8"—place on tables, mantels, anywhere. Handsome oiled walnut with contrasting grille cloth.

Nothing else to buy—just plug in and play in minutes. All cables are included. Shpg. wt., 128 lbs. Shipped express.
21 HF 417-G. Specify Cartridge. *$19 Monthly*........414.95

Alternate FM-AM-Phono System—Save $105.83

Same as above system, but has **Fisher 800C 75-Watt Stereo Multiplex FM-AM Receiver** in place of 500C. Has same features, but also has sensitive AM tuning section. 128 lbs. Express.
21 HF 418-G. Specify Cartridge. *$20 Monthly.* 459.95

50-Watt Stereo Phono System

Value-packed system for enjoyable stereo listening—quality components are perfectly matched to assure you of top music reproduction. And you save $93.33 off regular catalog price of individual components purchased separately.

FISHER X-100-C AMPLIFIER brings you superb stereo reproduction. Provides 50 watt IHF music output. Has a full complement of controls and stereo inputs. Deluxe features include: center channel output, tape monitor, dual concentric bass and treble controls, stereo headphone jack. Handsome walnut case included.

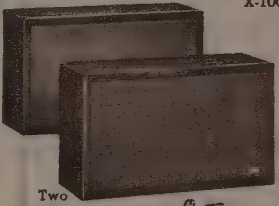
KNIGHT KN-990A CHANGER combines the professional performance of a turntable with the convenience of a record changer. Plays all record speeds and sizes. Has a powerful 4-pole motor, oversize turntable, counterweighted pickup arm, convenient lever controls. With oiled walnut base.

PICKERING, EMPIRE, SHURE CARTRIDGE—whichever you choose has a long-lasting diamond needle. Light tracking magnetic type. Comes mounted in a plug-in head for KN-990A Record Changer.

KNIGHT KN-3009 SPEAKER SYSTEMS sound terrific. Have 10" woofer with ceramic magnet for excellent bass reproduction. An electrical crossover network channels the highs to efficient 3½" cone-type VHF tweeter for superb reproduction of treble frequencies. Expertly constructed enclosures. A compact 10x20x8". Handsome oiled walnut veneer finish with contrasting grille cloth blends with any room decor.

There's nothing more to buy. All connecting cables and plugs are included—plug in and play, in minutes. Shpg. wt., 114 lbs. Shipped express.
21 HF 419-G. Specify Cartridge. *$12 Monthly*........224.95

X-100-C Amplifier, Walnut Case



Two KN-3009 Systems

KN-990A, Base

Save
$93.33
Complete System
$224.95
$12 monthly

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1, Shure M7/N21D

WRITE
TO
ALLIED

YOU ALSO GET BIG SAVINGS ON STEREO SYSTEMS OF YOUR OWN CHOICE

See page 145 to 152 for other systems at money-saving prices. Or get comparable savings on a stereo system you choose yourself. Write to our Audio Division indicating desired components. We will review your selection and rush you a money-saving system price quote.

Great Sounding Stereo Systems by FISHER

65-Watt Stereo Phono-FM System

You get superb stereo music reproduction from FM and from records with this specially selected grouping of deluxe components. And—you save a giant $74.78 off Allied's already low individual component prices.

FISHER 400 65-WATT STEREO FM RECEIVER combines a highly sensitive drift-free FM tuner with a time-division multiplex circuit, plus powerful 65 watt stereo amplifier with full array of front-panel controls, inputs and deluxe features. Has "Stereo Beam", direct tape monitor, loudness/contour switch, extra-wide frequency response. In oiled walnut case.

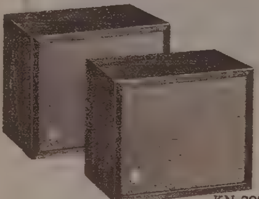
KNIGHT KN-990A CHANGER plays all four speeds and all record sizes. Has convenient lever controls, gentle changing mechanism, counterweighted pickup arm. Powerful 4-pole motor silently drives oversize turntable platter precisely and accurately. Works manually or automatically. With oiled walnut wood base.

PICKERING, EMPIRE, SHURE CARTRIDGE—all have long-lasting diamond needle. All are magnetic type for best sound.

KNIGHT KN-3002 SPEAKERS sound wonderful. True two-way design—an 8" woofer reproduces low-frequency notes with smoothness and clarity. Electrical crossover channels highs to a separate 3½" VHF tweeter that brings you treble with sparkling, transparent purity to 15,000 cps. Expertly constructed enclosures carry precise acoustical design and are handsomely finished in oiled walnut veneer—blend with any listening room decor. Compact shelf size, 12⅜x15x9", offer a wealth of space saving placement possibilities.

There's nothing else for you to buy. Just connect changer and speakers to receiver, plug receiver into AC outlet. Ready to play in a matter of minutes. All connecting cables are included. Shpg. wt., 101 lbs. Shipped express.
21 HF 415-G. Specify Cartridge. *$16 Monthly*.........339.50

400 Receiver, Case



KN-3002 Systems

Save
$74.78
Complete System
$\$339^{50}$
$16 monthly

Knight KN-990A Changer, Base

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1 and Shure M7/N21D

KX-200 Amplifier Kit, Case

80-Watt Stereo Phono Kit System

Build your own 80-watt deluxe stereo music system and enjoy superb high-fidelity sound reproduction plus the pride of accomplishment that comes with doing it yourself. You save two ways—save by building the amplifier and speakers, then save an additional $66.80 off Allied's already low prices by purchasing the complete system.

FISHER KX-200 AMPLIFIER KIT is easy to assemble, brings you truly deluxe performance. Has a powerful 40 watt per channel stereo music power output. Dimension control provides optimum stereo. Also: dual bass and treble controls, loudness/contour switch, derived-power center channel output, full input facilities. Supplied with handsome oiled walnut case.

KNIGHT KN-990A CHANGER combines the precision performance of a turntable with the convenience of a record changer. Has counterweighted pickup arm for smooth tracking, powerful 4-pole motor that drives oversize turntable platter with high accuracy. Convenient lever controls make operation a snap. Plays either manually or automatically.

PICKERING, EMPIRE, SHURE CARTRIDGE—all have long-lasting diamond needle. Magnetic type for best sound. Whichever you choose is supplied mounted in a plug-in head for KN-990A Changer.

KNIGHT KN-2260K SPEAKER KITS feature true three-way design. A 12" high-compliance woofer handles lowest bass notes with ease. 8" midrange propagator provides a superb sense of presence. Compression horn-type tweeter reproduces highs with outstanding clarity and preciseness. Overall response is 30-20,000 cps. Size, 17x25x18". Easy to assemble following the easy instructions included. Walnut veneer is sanded and ready to finish with oil supplied—do it in just a few minutes.

Nothing more to buy—just assemble components, plug in and play. All required connecting cables are included. Complete instructions. Shpg. wt., 139 lbs. Shipped express.
21 HF 416-G. Specify Cartridge. *$15 Monthly*...........299.95

Save
$66.80
Complete System
$\$299^{95}$
$15 monthly

Knight KN-2260K Speaker System Kits

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1 and Shure M7/N21D

Knight KN-990A Changer, Base

EICO Stereo Systems Featuring Eico Kits

ST-70K Amplifier, Case

Knight KN-3009 Speaker Systems

Save
$61.25
Complete
System
$199^95
$10 monthly

Garrard AT-60, Base

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1, Shure M7/N21D

70-Watt Stereo Phono Kit System

Specially selected system in kit form. Save two ways: Allied's low system price; by building amplifier and speaker systems yourself. You save $61.25 off Allied's already low individual component prices.

EICO ST-70K AMPLIFIER assembles rapidly. Has 70-watt stereo output; clutch-type level, bass, and treble controls; tape monitor and equalization switches, stereo inputs for every source of program material. Metal case is included.

GARRARD AT-60 AUTOMATIC TURNTABLE plays all speeds and sizes. Gentle changing mechanism, silent-running 4-pole motor, balanced arm, oversize turntable. Oiled walnut base.

PICKERING, EMPIRE, SHURE CARTRIDGE—all have light-tracking high compliance diamond needle for minimum record wear. Magnetic type for best sound.

KNIGHT KN-3009 SPEAKERS feature real two-way design. A 10" bass woofer with whizzer cone reproduces low frequencies with realism. Electrical crossover channels highs to a 3½" VHF tweeter for outstanding treble reproduction. Overall response is 40-16,000 cps. Expertly constructed enclosures have beautiful oiled walnut veneer finish and high-styled grille cloth.

There's nothing more for you to buy. Assemble the amplifier, connect speakers and changer, and hear wonderful stereo. You also get all required connecting cables and Allied's System Booklet. Shpg. wt., 126 lbs. Shipped express.
21 HF 406-G. Specify Cartridge. *$10 Monthly*........ 199.95

Stereo FM-Phono Kit System—Save $63.20

Same as above system, but also includes **Eico ST97K Stereo Multiplex FM Tuner Kit.** Shpg. wt., 143 lbs. Express.
21 HF 407-G. Specify Cartridge. *$15 Monthly*........297.95

dynakit 70-Watt Stereo Phono Kit System

A superb grouping of deluxe components featuring amplifier and preamp in build-it-yourself form. Unexcelled music reproduction—and you save $45.75 off Allied's already low prices.

DYNAKIT PAS-3 PREAMPLIFIER KIT is widely praised by connoisseurs. Full control and input facilities. Critical stages are preassembled. Uses DC-heated tube filaments. Brown vinyl case.

DYNAKIT STEREO 70 BASIC KIT is a music lovers favorite. Provides powerful output with perfectly defined bass and natural highs. Printed circuitry for easy and accurate assembly plus conservatively rated components for long life. Brown metal cover.

GARRARD A70 AUTOMATIC TURNTABLE brings you a host of deluxe features and conveniences. Has heavy-duty 4-pole motor, laboratory-balanced turntable platter, precision counterweighted pickup arm, interchangeable manual and automatic spindles. On oiled walnut base.

PICKERING, EMPIRE, SHURE CARTRIDGE—your choice is magnetic for best sound; has a diamond needle. Supplied in plug-in head.

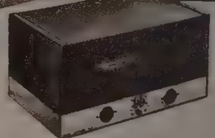
ACOUSTIC RESEARCH AR-4 SPEAKERS feature famous acoustic suspension principle for unequaled clarity and naturalness of sound. 8" woofer, 3½" tweeter with level control. Shelf size, 10x19x9". 1500 cps crossover. Handsome oiled walnut finish.

There's nothing more for you to buy. With all connecting cables and Allied's System Instruction Booklet. Shpg. wt., 111 lbs. Shipped express.
21 HF 408-G. Specify Cartridge. *$16 Monthly*........327.50

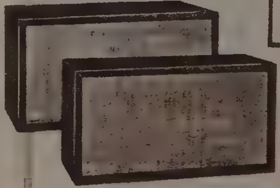
Alternate Stereo Phono System—Save $63.50

Same as above system, but has **Two AR-2A 3-Way Shelf Speaker Systems in place of AR-4's.** Utilize 10" acoustic suspension woofer, two 5" midrange, dome tweeter. 30-20,000 cps response. 13½x24x11½" oiled walnut finish. 147 lbs. Express.
21 HF 409-G. Specify Cartridge. *$20 Monthly*........449.95

PAS-3 Preamplifier Kit, Case



"Stereo 70" 70-Watt Basic Amplifier Kit, Metal Cage



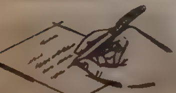
Two AR-4 Walnut Speaker Systems

Garrard A70 and Base

Save
$45.75
Complete
System
$327^50
$16 monthly

Choice of Cartridge

L to R: Empire 880, Pickering V-15/AT-1, Shure M7/N21D



Choose Your Own Stereo System

Get savings comparable to those shown on these pages. Write Allied's Audio Division for a price quote on a system you choose.

Get Your Stereo System Now—Use Your Credit Fund

Stereo Systems..Budget Priced by KNIGHT

Feature-Value KN-928 28-Watt Stereo System

Save $50.59 Off Regular Prices of Individual Components!

- **A** Knight KN-928 28-Watt Stereo Amplifier (less case)
- **B** Knight KN-990A 4-Speed Record Changer (less base)
- **C** Pickering MK-II Stereo Cartridge with Diamond Stylus
- **D** Two Knight KN-3001 Hi-Fi Speaker Systems in Walnut Leatherette, plus Connecting Cables, Plugs, Instructions

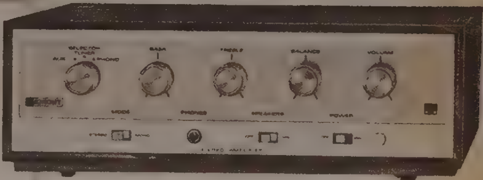
Exciting ready-to-play stereo phono system provides *true* high-fidelity sound . . . yet is surprisingly inexpensive! Big-power KN-928 amplifier offers 56 watts of peak stereo power, 28 watts IHF (see p. 88). With all controls to adjust tone to suit your personal listening taste and room acoustics. Even has front-panel stereo headset jack and speaker-silencing switch for private listening. Knight's KN-990A offers changer convenience with turntable precision. Balanced pickup arm with magnetic MK-II cartridge installed, minimizes record wear and prolongs life of the diamond needle. Compact, walnut-leatherette covered shelf speaker systems deliver 50-14,000 cps of impressive stereo sound. Less amplifier case, changer base, below. Shpg. wt., 55 lbs. Shipped express.

22 HF 023-G. *$6 Monthly.* **112.00**

95 DX 024-G. Walnut Wood Case for KN-928. 6 lbs... **12.95**

95 DX 049-G. Brown Metal Case for KN-928. 5 lbs...... **5.95**

95 DX 457-G. Walnut Wood Base for KN-990A. 4 lbs... **3.95**



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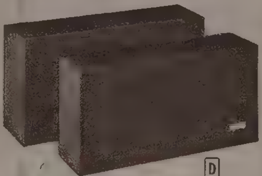


D

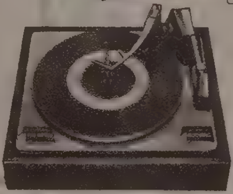
Save

$50.59

System

\$112^{00}

$6 monthly



B

C

E

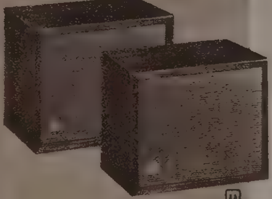
Save

$37.64

System

\$179^{95}

$9 monthly



H

G

F

All-Transistor KN-950A 50-Watt Stereo System

Save $37.64 Off Regular Prices of Individual Components!

- **E** Knight KN-950A 50-Watt Stereo Amplifier (less case)
- **F** Knight KN-990A 4-Speed Record Changer (less base)
- **G** Pickering MK-II Stereo Cartridge with Diamond Stylus
- **H** Two Knight KN-3002 2-Way Speaker Systems in Oiled Walnut plus Connecting Cables, Plugs, and Instructions

All newest model components are perfectly matched to give you the most for your hi-fi dollar. Solid-state, KN-950A amplifier offers all the advantages of an up-to-date transistorized circuit (see page 92). 100 watts of peak stereo output reproduces music in stunning stereo high-fidelity. Full array of controls puts you in complete command . . . lets you add tuner or tape recorder to your music system at your convenience. KN-990A (see page 85) handles your records gently; shuts-off automatically after last record plays. KN-3002 shelf speaker systems have attractive oiled-walnut veneer finish. Reproduce low frequency notes down to 50 cps with an 8″ woofer . . 3½″ direct-radiator tweeter provides thrilling highs up to 15,000 cps (see page 113). Less amplifier case, changer base, below. Shpg. wt., 72 lbs. Shipped express.

22 HF 024-G. *$9 Monthly*.............................. **179.95**

95 DX 022-G. Walnut Wood Case for KN-950A. 5 lbs.. **12.95**

95 DX 039-G. Brown Metal Case for KN-950A. 4 lbs..... **5.95**

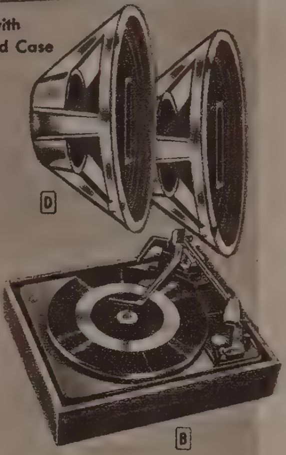
95 DX 457-G. Walnut Wood Base for KN-990A. 4 lbs... **3.95**

MONEY-SAVING KNIGHT COMPONENTS AND SPECIALLY SELECTED STEREO SYSTEMS

Distinctively styled Knight Stereo Hi-Fi Components and perfectly matched Music Systems are described on pages 85-120. There's a Knight top-value system that meets your requirements. Satisfaction guaranteed.

knight-kit Transistor Stereo Systems

Shown with Deluxe Wood Case



Save
\$25.35
$\$199^{95}$
\$10 monthly

Alternate Has Fisher XP-5 Speaker Systems

54-Watt Custom Stereo Phono Kit System

- Ⓐ Knight-Kit Model KG-854 All-Transistor 54-Watt Stereo Amplifier Kit (Less Case, below)
- Ⓑ Garrard AT60 4-Speed Record Changer and Base
- Ⓒ Pickering V-15/AT-1 Stereo Cartridge, Diamond Needle
- Ⓓ Two Electro-Voice LT-12 12″ Hi-Fi Speakers

You get all cables, plugs, and Allied's System Instruction Booklet. KG-854 Amplifier Kit provides flawless reproduction of all music sources. Garrard AT60 has silent-running,. 4-pole motor; counterbalanced pickup arm. Electro-Voice LT-12's have 12″ woofer with 12 oz. ceramic magnet; exclusive Radax midrange cone; Sonophase horn-type tweeter. 40 to 18,000 cps response. Brilliance control for tweeter. Changer base in mahogany, limed oak or walnut—**specify.** 59 lbs. Express.
84 HF 540C-G. *\$10 Monthly*.................. **199.95**

Alternate System With Deluxe Speakers

Save \$25.51. Similar to above, except Ⓔ Two Fisher XP-5 2-Way Unfinished Speaker Systems in place of Ⓓ Electro-Voice LT-12's. XP-5's have 8″ woofer with 2½-lb. magnet; 2½″ tweeter. 38 to 18,500 cps response. 10x20x9″. Shpg. wt., 65 lbs. Shipped express.
84 HF 541C-G. *\$11 Monthly. Specify Base Finish.* **219.95**

KG-854 Oiled Walnut Cases

83 YX 035-G. Deluxe Wood Case. 4 sides; ½″ thickness. Mitered corners, louvered top. Wt., 7 lbs......... **12.95**
83 YX 079-G. Economy Wood Case. 3 sides; ⅜″ thickness. Louvered top—no bottom. Wt., 6 lbs............. **6.95**

70-Watt Deluxe Stereo Phono Kit System

- Ⓕ Knight-Kit Model KG-870 All-Transistor 70-Watt Stereo Amplifier Kit (Less Case, Below)
- Ⓖ Garrard A70 4-Speed Record Changer and Base
- Ⓗ Pickering V-15/AT-1 Stereo Cartridge, Diamond Needle
- Ⓙ Two AR-4 Unfinished Birch Speaker Systems

Plus cables, plugs, Allied's System Instruction Booklet. KG-870 Amplifier Kit has virtually no hum, heat, or distortion. Garrard A70 combines turntable performance with record changer convenience. AR-4's have 8″ woofer, 3½″ tweeter. Acoustic-suspension gives bass on a par with many larger speaker systems. 10x19x9″. Changer base in mahogany, limed oak, walnut—**specify.** 85 lbs. Express.
84 HF 542C-G. *\$15 Monthly*................ **289.95**

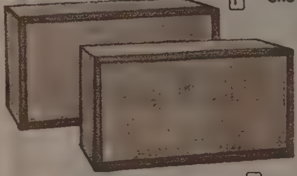
Alternate System With Deluxe Speakers

Save \$34.35. As above, except Ⓚ Two Acoustic Research AR-2A 3-Way Unfinished Speaker Systems in place of Ⓙ AR-4's. AR-2A's have 10″ woofer, two 5″ midrange speakers, dome-type super tweeter. Response, 30 to 20,000 cps. Each speaker system, 13½x24x11½″. Shpg. wt., 127 lbs. Shipped express.
84HF 543C-G. *\$18 Monthly. Specify Base Finish.* **389.95**

KG-870 Oiled Walnut Cases

83YX 035-G. Deluxe Wood Case. 4 sides; ½″ thickness. Mitered corners, louvered top. Wt., 7 lbs......... **12.95**
83 YX 079-G. Economy Wood Case. 3 sides; ⅜″ thickness. Louvered top—no bottom. Wt. 6 lbs...... **6.95**

Shown with Deluxe Wood Case



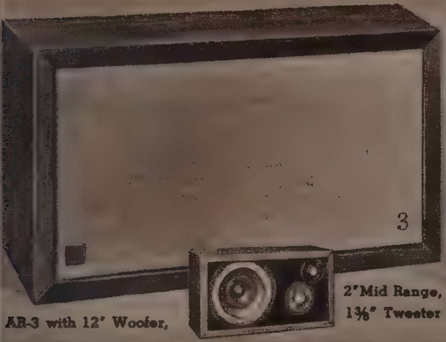
Save
\$30.35
$\$289^{95}$
\$15 monthly

Alternate System Has AR-2A Speaker Systems

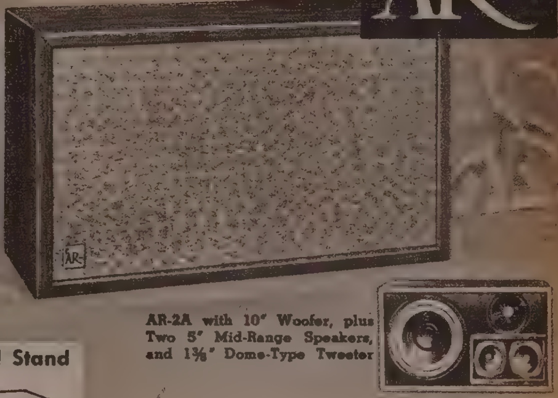
Choose Your Own System—Write For Savings Comparable to Above

Acoustic-Suspension Speaker Systems

AR INC.

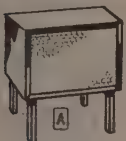


AR-3 with 12" Woofer, 2" Mid Range, 1⅜" Tweeter



AR-2A with 10" Woofer, plus Two 5" Mid-Range Speakers, and 1⅜" Dome-Type Tweeter

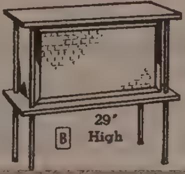
Speaker-System Base and Stand



A

Base For floor mounting in limited space

Only 11" High, Hugs the Floor



B

Stand for horizontal mounting of any AR system

29" High

WORLD RENOWNED FOR SUPERB SOUND

Acoustic Suspension utilizes the enclosure's sealed-in air as a "pneumatic spring" for the woofer cone during large excursions on very low bass notes. AR has replaced the mechanical spring-action of the bass speaker with a nearly perfect spring—natural air! Exceptional capacity and highly realistic sound make these systems an excellent choice.

AR-3 Acoustic-Suspension 12" System

AR's finest speaker system . . . widely acclaimed by high-fidelity experts. When space is at a premium and there can be no sacrifice in the quality of reproduction, the AR-3 is the answer. Includes 12" woofer with 3¼-lb. magnet structure; 2" mid-range dome radiator with 3¼-lb. magnet structure; dome tweeter; level controls. L-C crossovers at 1000 and 7500 cps. Response: 30-20,000 cps. Requires amplifier rated at least 25 watts per channel. Impedance, 4 ohms. 14x25x11⅜". 63 lbs. Shipped express only.

70 DZ 149-G.	Natural Birch. *$11 Monthly*	216.00
70 DZ 148-G.	Mahogany. *$11 Monthly*	216.00
70 DZ 624-G.	Oiled Walnut. *$12 Monthly*	225.00
70 DZ 002-G.	Unfinished. *$11 Monthly*	203.00

AR Speaker Base and Stand

A **AR SPEAKER BASE.** For mounting enclosures near floor in limited space. Finished in oiled walnut. 11x14½x13". 4 lbs.

71 DX 015-G.	7.50

B **AR SPEAKER STAND.** For horizontal mounting of any AR speaker system. Finished in handsome oiled walnut, with wrought iron legs. With hardware, tool and instructions for easy assembly. Size, 29x30½x15⅜". Shpg. wt., 26 lbs.

71 DX 013-G.	*$5 Monthly*	30.00

AR-2A Acoustic-Suspension 10" System

As Low As $109⁰⁰ $6 monthly

- Super Tweeter, Pure Highs
- Sealed and Fiberglas Lined

Famous the world over for exacting home and professional uses. Sets unusually high standards of performance for a lower cost system. Precision-made components plus advanced Acoustic-Suspension design result in sound that is truly breathtaking. Includes 10" woofer for rich, natural bass; two 5" mid-range speakers that deliver full-bodied sound; and super tweeter that produces wonderfully clear highs. Fiberglas-lined cabinet of braced ¾" hardwood. L-C crossovers at 2000 and 7500 cps. Smooth response over an extremely wide range. Requires an amplifier rated at least 20 watts per channel. 8 ohms. 13½x24x11½". 41 lbs.

70 DU 600-G.	Natural Birch. *$7 Monthly*	122.00
70 DU 601-G.	Mahogany. *$7 Monthly*	122.00
70 DU 027-G.	Oiled Walnut. *$7 Monthly*	128.00
70 DU 028-G.	Unfinished. *$6 Monthly*	109.00

AR-2 Acoustic-Suspension 10" System

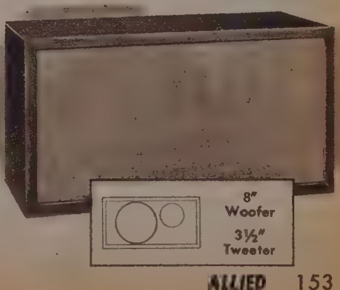
Same as AR-2A, but less super tweeter. Wt., 39 lbs.

70 DU 145-G.	Natural Birch. *$5 Monthly*	96.00
70 DU 146-G.	Mahogany. *$5 Monthly*	96.00
70 DU 623-G.	Oiled Walnut. *$6 Monthly*	102.00
70 DU 147-G.	Unfinished. *$5 Monthly*	89.00

New AR-4 Low-Cost Acoustic-Suspension 8" Speaker System

As Low As $51⁰⁰ $5 monthly

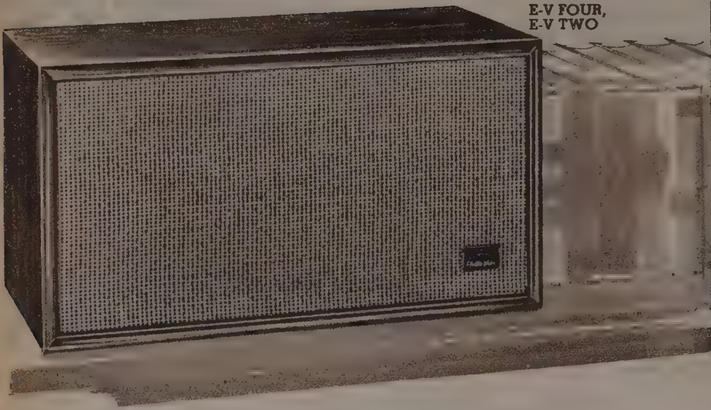
- World Famous AR Quality at Lowest Price Ever
- 8" Woofer and 3½" Tweeter with Level Control
- Impressive Reproduction Over a Wide Audio Range

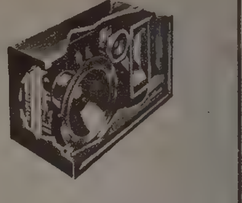


For the first time, Acoustic Research presents a compact 8" system with the same perfection-engineered Acoustic Suspension as the deluxe systems above. Low-priced system delivers surprisingly powerful bass response, the result of special woofer suspension that allows more natural cone action. For authentic and clean upper-range reproduction, a 3½" direct-radiator tweeter comes into play at frequencies above 1500 cps. A tweeter level control lets you adjust "highs" to suit both your taste and acoustical environment. Has L-C crossover. Requires an amplifier rated at least 15 watts per channel. Impedance, 8 ohms. Size, only 10x19x9". Shpg. wt., 20 lbs.

70 DU 626-G.	Oiled Walnut. *$5 Monthly*	57.00
70 DU 627-G.	Unfinished Birch. *$5 Monthly*	57.00
70 DU 625-G.	Unfinished Pine. *$5 Monthly*	51.00

Electro-Voice Compact Hi-Fi Speaker Systems





The E-V TWO and E-V FOUR feature Acoustic Suspension. This principle utilizes an enclosure's sealed-in air to eliminate the distortion-causing mechanical "spring action" of conventional systems. The result is highly compliant suspension for "long throw." You get powerful bass—on a par with larger systems.

ACOUSTIC-SUSPENSION SYSTEMS FOR THRILLING HIGH-FIDELITY

E-V FOUR 3-Way Shelf-Size System

Was $133.28 in Our Last Big Catalog

E-V's finest shelf-size speaker system! Extraordinary speaker components in a sealed enclosure deliver truly magnificent sound—the kind you might expect to hear only from much larger systems. Three independent speakers provide remarkably faithful reproduction; you hear music as it was intended—with striking naturalness and realism. A long-throw 12" acoustic-suspension low-resonance woofer offers exceptionally clean and powerful bass. Has double-flux ceramic magnet and special voice-coil suspension.

Compression-type mid-range driver has a ring diaphragm and diffraction horn for lifelike reproduction. An isolated 5" compression-type VHF driver and horn brilliantly reproduce the highest orchestral overtones. Balance controls for both mid range and tweeter allow you to adjust tone to suit your taste, and room acoustics. Response: 30-20,000 cps. Capacity: 30 watts. Crossovers: 800 and 3500 cps. Impedance: 8 ohms. Finished on 4 sides in mahogany or oiled walnut—**specify**. 14x25x13½". 50 lbs.

70 DU 222-CG. *$7 Monthly*........................121.50
70 DU 223-G. Unfinished Birch. Was $119.56..........**109.00**

E-V TWO 2-Way Shelf-Size System

Was $105.84 in Our Last Big Catalog

An exciting 2-way system built to delight the hard-to-please ear, yet priced surprisingly low. Beautifully finished on all four sides, the E-V TWO may be used either vertically or horizontally on your wall, shelf or floor. Features an acoustic-suspension 12" woofer, plus an efficient compression-type high-frequency driver that utilizes a ring diaphragm for extremely clean treble response. System delivers rich, powerful bass along with mid-range and highs of smooth response and superior dispersion characteristics. Step-type level control makes possible ideal tonal balance adjustment for any listening environment. Frequency response: 30-15,000 cps. Capacity: 30 watts. Crossover: 8000 cps. Impedance: 8 ohms. Available in oiled walnut or mahogany—**specify choice**. Only 14x25x13½" deep. Shpg. wt., 49 lbs.

70 DU 226-CG. *$5 Monthly*........................96.00

E-V TWO-KD—Above in Prefinished Kit Form

Prefinished on 4 sides in oiled walnut. Shpg. wt., 49 lbs.

70 DU 227-G. *$5 Monthly*........................**81.00**

E-V SIX
4-Way System

GIANT
18"
WOOFER

$297.00

$323.40 in Our Last Big Catalog

A classic creation for those who demand flawless reproduction across the entire audio spectrum. This superb system, in a distinguished oiled walnut cabinet, brings you a new dimension in listening pleasure. Features true 4-way design—each of 4 speakers covers a separate audio range. A giant 18" woofer, with a massive 4-lb. 10-oz. ceramic magnet produces breathtaking bass of incredible realism. Clean mid-range definition is assured by dividing these frequencies between two drivers: an 8" cone-type speaker, and a compression driver with diffraction horn. A compression-type VHF driver and horn give purest highs with wide-angle dispersion. Four-way crossover. 5-position step-type balance control. Response: 30-20,000 cps. Capacity: 35 watts. 8 ohms. 30x32x17½". 110 lbs. Shipped express.

70 DZ 228-G. *$15 Monthly*........................297.00

E-V Coronet I
Prefinished
3-Way Kit

$57.00

Low Combination Price

Includes 8" Speaker and Step-Up Kit

A great buy! You get double savings with this unusual combination kit offer. First, you save considerably over the price of the components purchased separately; second, you save by assembling the system yourself. Kit Includes: Coronet I Enclosure; MC8 8-inch Speaker; and HFI High-Frequency Step-Up Kit. Masterfully designed, this new kind of system kit looks exactly like a factory-built system when completed. The enclosure is factory finished in handsome oiled walnut, and assembles in less than 20 minutes—without tools. Step-up kit (described on lower right of facing page) and speaker mount in a short time with easy instructions. When completed, the attractive system provides full-bodied bass, clean mid-range, and highs up to 18,000 cps. Capacity: 12 watts. 8 ohms. 12½x22¼x10⅞". 40 lbs.

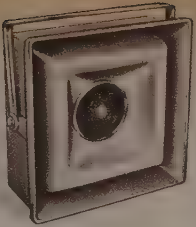
23 DU 987-3G. *$5 Monthly*........................57.00

Hi-Fi Speakers by Electro-Voice

Deluxe Outdoor Hi-Fi Speaker

$\$60^{00}$

$5 monthly



"MUSICASTER". Enjoy hi-fi music outdoors . . . by the pool . ... on the patio . . . under the sun while you relax. Weatherproof, die-cast aluminum speaker provides clear and realistic sound. Response: 60-13,000 cps. Dispersion: 120°. Capacity; 30 watts. Impedance: 8 ohms. With "U" bracket. Tan. 21½x21½x8½″. Shpg. wt., 37 lbs.
71 DX 432-G. *$5 Monthly*. 60.00

MUSICASTER II. Above, with VHF tweeter/crossover. 60-18,000 cps. 39 lbs.
71 DU 431-G. *$5 Monthly*. **81.00**

71 D 433-G. MB-1 Bracket. Mounts Musicaster flat against wall. Wt., 1 lb. **3.53**

Portable "Sonocaster" Speaker For Outdoor Background Music

Weighs just 8 lbs.
Use it anywhere!

$\$28^{80}$

$5 monthly

Fill your backyard or patio with beautiful music from your stereo system. The famous Electro-Voice Sonocaster is perfect for outdoor background music . . . and it's easily portable. Great for picnics! Amazingly efficient unit can be driven by even low-power amplifiers. Special plastic case is virtually indestructible. Weatherproofed design. Includes handle retaining clip for fast mounting. Response: 70-13,000 cps. Dispersion: 120°. Capacity: 30 watts, peak. Crossover: 6000 cps. Impedance: 8 ohms. Dune beige. Size, 16¾x17x5⅞″. Ship. wt., 10 lbs.
70 DX 264-G. 28.80

- Highly Efficient—Gives "Big Sound"
- Use It Anywhere
- Coaxial Design

Speaker System Components

Level Control

Tweeter

T35 VHF TWEETER. Response, 3500 to 20,000 cps. 6.8-oz. magnet. 20 watts. 16 ohms. Horn, 5½x2″. Depth, 3¼″ overall. 3½ lbs.
71 D 142-G. *$5 Monthly*. 26.50

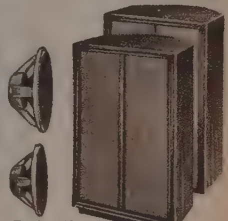
X36 CROSSOVER NETWORK. (Not illus.) For T35 tweeter above. Crossover at 3500 cps. Size, $3\frac{7}{16}$x$4\frac{7}{16}$x3⅝″. Shpg. wt. 3 lbs.
71 D 168-G. 11.00

AT37 LEVEL CONTROL. Adjusts output level to individual taste and room acoustics. "L" pad type. Impedance, 16 ohms. Mahogany color. Shpg. wt., 6 oz.
71 D 146-G. 4.00

ENCLOSURE KITS AND COMBINATION OFFERS

ARISTOCRAT KD-6A ENCLOSURE KIT. Folded-horn, corner design. Uses walls of room as an extension to its built-in horn—extends bass range by 1 octave for clear reproduction of lowest notes without distortion. Accepts any 12″ speaker, plus components for a 2 or 3-way system. Complete with matching grille cloth, and detailed assembly instructions. Oiled walnut finish. Size, 29⅝x19x15¾″. Shpg. wt., 39 lbs.
70 DU 229 G. *$5 Monthly*. 52.00

23 DU 568-4G. Save $8.00. **Two KD-6A Kits and two LT-12 Speakers.** Shpg. wt., 93 lbs. Express.
$8 Monthly. **160.00**

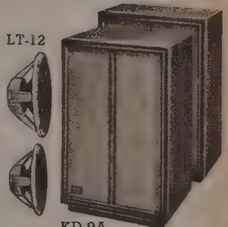


LT-12 KD-6A

MARQUIS KD-9A ENCLOSURE KIT. Employs proven bass reflex, folded-horn design for deep, natural low-frequency reproduction without need for corner placement. Assembles quickly without the use of any special tools. Accepts 12″ speakers or 2 or 3-way speaker systems without any modifications. Supplied with grille cloth, instructions. Oiled walnut finish. Size, 29⅝x19x14½″. Shpg. wt., 41 lbs.
70 DU 230 G. *$5 Monthly*. 55.75

23 DU 569-4G. *Save $8.50*. **Two KD-9A Kits and two LT-12 Speakers.** Shpg. wt., 103 lbs. Express.
$9 Monthly. **167.00**

LT-12



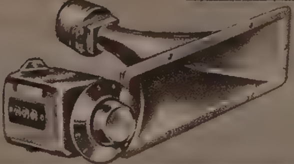
KD-9A

STEP-UP KITS TO EXTEND MID AND HIGH FREQUENCIES

Low Allied Prices

High-Frequency HF1 Step-Up Kit

These Components May Be Added to Any 8″, 12″, or 15″ Woofer or Extended-Range Speaker

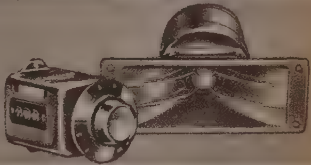


Extend treble response to the limits of the audio spectrum! May be used with MF1 Kit (at right), to form a 3-way system. Includes: TW35 wide-angle tweeter; CR35 3500-cycle L-C crossover with level control; wiring; hardware; instructions. (EV's "Marquis" and "Aristocrat" enclosures have special cut-outs to simplify installation.) 180° dispersion. Response, 3500-18,000 cps. 20 watts. 8 ohms. Tweeter, 5¼x2x2¾″. Crossover, 3¾x3x2½″. 3 lbs.
71 D 128-G. *$5 Monthly*. 23.75

BB1 PACKAGE. Deluxe version of above for 2-way systems and coax speakers having at least a 3-lb. magnet. Includes: T35 tweeter; X36 crossover; AT37 level control, wiring. See upper left for descriptions and illustrations. 16 ohms. 6 lbs.
71 D 113-G. *$5 Monthly*. 39.50

Mid-Frequency MF1 Step-Up Kit

Adds "brilliance" to your present system



A package of first-rate mid-range components for making up a 3-way speaker system that assures improved "presence" for natural, true-to-life sound. Includes: MR10 treble driver; CR10 L-C crossover network with level control; wiring; hardware; and instructions. Response, 1000-15,000 cps. 180° sound dispersion. Capacity, 20 watts. Impedance, 8 ohms. Horn size: 4″ long; 10½″ wide; 9⅜″ deep overall. Crossover, 3½x3x2½″. Wt., 8 lbs.
71 DX 129-G. *$5 Monthly*. 25.50

BB4 PACKAGE. Deluxe version of above for use with deluxe woofers or coaxial speakers. Includes: T25A driver with 1-lb. magnet; 8HD diffraction horn, 15x4½x8¼″; X8 crossover; AT37 level control; and wiring harness. 16 ohms. Wt., 16 lbs.
71 DU 114-G. *$5 Monthly*. 96.00

Electro-Voice

3-Way Hi-Fi Speakers

PREMIUM
DESIGN
AT LOW
COST

Featuring

- Woofer, Mid-Range Cone, VHF Horn-Type Tweeter
- Powerful Indox Magnets
- 1-Piece Die-Cast Frame
- Control for Adjusting Brilliance of Tweeter

LT8 LT12

LT12 12″ 3-Way Speaker

FAMOUS VALUE-PACKED SPEAKER

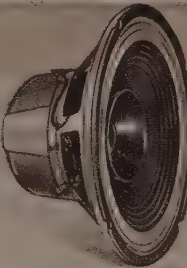
Offers extended bass from a 12″ woofer, outstanding clarity from Radax mid-range cone, and pleasing treble through Sonophase VHF horn-type tweeter. 12-oz. ceramic indox magnet does the job of heavier magnets of conventional design; 2½″ edgewise-wound ribbon-type voice coil; brilliance control. Response: 40-18,000 cps. Capacity: 20 watts. Crossovers: mechanical and electrical at 2000 and 4000 cps respectively. Resonance: 65 cps. Flux: 72,500 maxwells. EIA sensitivity: 45 db. Impedance: 8 ohms. Depth, 5¼″. 12 lbs.
71 DX 120-G. *$5 Monthly*.......................32.00

New LT8 8″ 3-Way Speaker

All-new design brings a new measure of value to 8″ speakers. A long-throw 2″ voice coil, and a 10-oz. ceramic indox magnet give smooth response even as low as 45 cps. Radax mid-range cone and dynamic VHF driver with concentric horn disperse frequencies up to 18,000 cps at 120° angle. Includes brilliance control. Capacity: 20 watts. Crossovers: mechanical and electrical at 2000 and 5000 cps respectively. Resonance: 65 cps. Impedance: 8 ohms. Depth, 3$^{15}/_{16}$″. Shpg. wt., 8 lbs.
71 DX 068-G. *$5 Monthly*.......................26.40

LS12 LS15
$18⁵⁰ $25⁰⁰

SP12B $33⁰⁰


SP12 SP15
$58⁰⁰ $75⁰⁰

12TRXB $58⁸⁰

12TRX 15TRX
$105⁰⁰ $115⁰⁰

E-V SPEAKER PRICES REDUCED FROM LAST BIG CATALOG

LS12 12″. Was $20.58. Only 3½″ deep—fits nearly anywhere! Ideal for moderately priced systems. Perfect for E-V "Marquis" or "Aristocrat" enclosure. Includes heavy-duty die-cast frame for precise alignment of all moving parts, and Radax mid-range cone.

Edgewise-wound voice coil of precision-flattened ribbon for 18% greater efficiency —equivalent of up to five watts of extra amplifier power. Cones specially treated to prevent moisture absorption. Response: 40-14,000 cps. Capacity: 20 watts. Mechanical crossover: 4500 cps. Resonance: 60 cps. Flux: 72,500 maxwells. EIA sensitivity: 43 db. Impedance: 8 ohms. 10 lbs.
71 DX 121-G.......................18.50

LS15 15″. Deluxe version of Model LS12 above. Response: 35-14,000 cps. Capacity: 20 watts. Crossover: 4500 cps. Resonance: 50 cps. Total flux: 73,000 maxwells. Impedance: 8 ohms. Depth, 6$^{11}/_{32}$″. 13 lbs.
71 DX 123-G. *$5 Monthly*.......25.00

SP12B 12″. Was $36.85. Full-range unit with 1-lb. 6-oz. double-flux ceramic magnet. Same Radax mid-range cone as SP12, below. Response: 35-15,000 cps. Crossover: 4500 cps. Flux: 82,500 maxwells. Resonance: 40-50 cps. Capacity: 30 watts. Impedance: 16 ohms. Depth, 6¾″. 15 lbs.
71 DX 131-G. *$5 Monthly*......33.00

SP12 12″. Was $68.60. Powerful 3-lb. Alnico V magnet. Specially treated woofer for extended bass. Radax high-frequency radiator. Resp.: 30-15,000 cps. Flux: 270,000 maxwells. Crossover: 4000 cps. Res.: 35-45 cps. 40 watts. 16 ohms. 7½″ dp. 26 lbs.
71 DU 130-G. *$5 Monthly*......58.00

SP15 15″. Was $93.10. A superb 15″ unit offering an extra-powerful 4⅝-lb. double-flux ceramic magnet and smooth response from 25 to 15,000 cps. Crossover: 3000 cps. Flux: 270,000 maxwells. Resonance: 25 cps. 40 watts. 16 ohms. Depth, 8⅛″. 32 lbs.
71 DU 132-G. *$5 Monthly*.....75.00

12TRXB 12″ 3-WAY. Was $68.60. Employs SP12B woofer assembly, T35B VHF driver for outstanding response from 35-20,000 cps. Level control. Crossovers: 2000 and 3500 cps. Flux: 82,500 maxwells. Res.: 40-50 cps. 30 watts. 16 ohms. 6¾″ dp. 17 lbs.
71 DX 137-G. *$5 Monthly*.......58.80

12TRX 12″ DELUXE 3-WAY. Was $127.40. E-V's best 12″. Same as 15TRX below, but has SP12 woofer assembly (3-lb. magnet, resonance 35-45 cps). Response: 30-20,000 cps. Depth, 7½″. 30 lbs.
71 DU 138-G. *$6 Monthly*....105.00

15TRX 15″ DELUXE 3-WAY. Was $151.90. E-V's finest 3-way! For exceptionally critical listeners. Boasts SP15 woofer assembly, T35 VHF driver, X36 L-C crossover, AT37 level control. 4⅝-lb. magnet. Response: 25-20,000 cps. Crossovers: 2000 and 3500 cps. Flux: 270,000 maxwells. Resonance: 25 cps. 40 watts. 16 ohms. Depth, 8¼″. 36 lbs.
71 DU 136-G. *$6 Monthly*....115.00

MC8
$12⁵⁰

Wide-Range 8″ Speakers

LS8
$17⁵⁰

MC8 8″. Was $14.70. Amazingly compact—only 3$^{3}/_{16}$″ deep! Easy on the budget; excellent choice for low-cost hi-fi. Features: dual-cone Radax design for 120° dispersion; die-cast frame for perfect alignment of all parts; heavy ceramic magnet and edgewise-wound ribbon voice coil for "clean" sound. Response: 50-13,000 cps. Capacity: 12 watts. Resonance frequency: 75 cps. EIA sensitivity: 46 db. Voice Coil impedance: 8 ohms. Shpg. wt., 4 lbs.
71 DX 005-G.......................12.50

LS8 8″. Was $19.11. Outperforms many 10″ and 12″ speakers. Fine for hi-fi systems where 12″ or 15″ speakers cannot be accommodated. And, it's only 3½″ deep; mounts in ceiling, wall, or in existing cabinet. Has Radax cone and all other features of the LS12 and LS15 described at upper left. Response: 45-14,000 cps. Capacity: 20 watts. Crossover: 4500 cps. Resonance: 75 cps. Flux: 70,700 maxwells. EIA sensitivity: 43 db. Shpg. wt., 5 lbs.
71 DX 124-G.......................17.50

Get Your Speakers Now—Use Your Credit Fund

New Ultra-Compact Speaker Systems by Goodmans

OF ENGLAND

Goodmans "Maximus I" 2-Way Speaker System

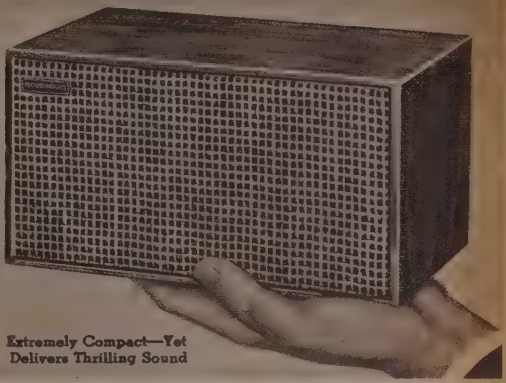
- Takes No More Space Than a Few Books
- Cushioned Air Pneumatic Suspension
- Exceptionally High Acoustic Efficiency
- Finest Super-Compliance Components

$5950

$5 monthly

You must hear it to believe it! Five years of Goodmans' research brings you performance nothing short of startling in a speaker system no larger than a table model radio. Ingeniously designed to fully utilize diaphragm behavior and electro-magnetic control characteristics, the "Maximus I" delivers unusually flat and remarkably clean response. Woofer features large magnet for high efficiency and power capability. Backloaded midrange/high frequency driver has L-C crossover network at 1900 cps. Rivals larger, more expensive speaker systems in voice articulation and music clarity. **Response:** 45-20,000 cps. 7¼x10½x5½" **Capacity:** 15 watts. Oiled walnut enclosure. **Imp.:** 8-16 ohms. Shpg. wt., 11 lbs.

70 DX 322-G. *$5 Monthly*........................59.50



Extremely Compact—Yet Delivers Thrilling Sound

"Maximus II" 2-Way System

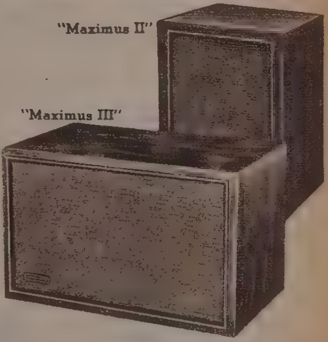
The "Maximus II" is specially designed for use with high-fidelity amplifiers delivering power output of up to 30 watts per channel. It features all the engineering advancements of the "Maximus I", plus many more. Two newly developed woofers, each with unusually large magnet for high acoustic efficiency and power capability, extend the low frequency range down to 35 cps. LC crossover network transfers power at 1900 cps to back-loaded midrange/high frequency driver for life-like sound across the whole audio spectrum. **Frequency Response:** 35-20,000 cps. Size, 11x14½x8". Handsome oiled walnut finish. **Power Handling Capacity:** 30 watts. **Impedance:** 8-16 ohms. Shpg. wt., 24 lbs.

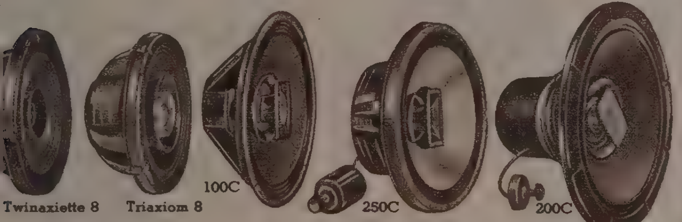
70 DU 323-G. *$6 Monthly*....109.00

"Maximus III" 2-Way System

The finest "Maximus"! Engineered to re-create vocal and instrumental passages with all the timbre, tone and natural presence of the original. Four specially designed high compliance woofers give extraordinarily precise critical damping for perfect transient response. Each woofer features massive 3½-lb. magnet structure and a flux-density of 14,000 gauss. At 1900 cps, deluxe LC crossover network transfers drive to 2 midrange/high frequency speakers for virtually distortionless reproduction of highs. **Response:** 30-20,000 cps. **Distortion:** 0.5%. **Capacity:** 60 watts. **Impedance:** 8-16 ohms. Finished in oiled walnut on all 4 sides—for horizontal or vertical placement. 12¾x18x10". Shpg. wt., 41 lbs.

70 DU 324-G. *$9 Monthly*.....169.00





Goodmans Advanced-Design Extended Range Speakers

TWINAXIETTE 8. Heavy-duty dual cone 8" speaker delivering a smooth response from 40 to 18,000 cps. Features hyperbolic free-edge cone suspension and diecast chassis. **Capacity:** 15 watts. **Impedance:** 16 ohms. Shpg. wt., 9 lbs.

71 D 177-G....................18.95

TRIAXIOM 8. 3-way 8" "SupRfoam" speaker with 40-20,000 cps response. Electrical crossover at 5000 cps—compression tweeter. Tone control on 30" cable. **Power handling capacity:** 15 watts. **Impedance:** 16 ohms. Shpg. wt., 11 lbs.

71 DX 175-G. *$5 Monthly*.......29.50

TRIAXIOM 100C. 12" 3-way speaker featuring 3 radiators concentrically placed to produce smooth sound from 20 to 20,000 cps. Electrical crossovers at 2000, 5000 cps. 1-lb. magnet. Tone control on 30" cable. 20 watts. 16 ohms. 11 lbs.

71 DU 172-G. *$5 Monthly*......34.50

250C. Heavy-duty 12" 3-way speaker. Features: 2½ lb. ceramic magnet; "SupRfoam" woofer; "Axiom Plastik" radiator; compression horn tweeter. Smooth response from 20 cps to beyond audibility. Crossovers at 2000, 5000 cps. Resonance, 35 cps. **Power handling capacity:** 30 watts. **Impedance:** 16 ohms. Shpg. wt., 20 lbs.

71 DU 170-G. *$5 Monthly*......64.50

TWINAXIOM 200C. 12" speaker features new "SupRfoam" cone to assure exceptionally uniform response in the critical bass region of 30 to 2000 cps. Overall frequency range, 30 to 18,000 cps, with crossover at 2000 cps. Additional features: low-resonance floating piston woofer; "axiom plastik propagator" for uniform reinforcement of 2000-18,000 cps range; two-way point source; 1-lb. cylindrical ceramic magnet. 20 watts. 16 ohms. Shpg. wt., 11 lbs.

71 DU 180-G. *$5 Monthly*......24.50

B-4 "Perfectionist" System

- True 3-Way Hi-Fi Design
- 20-Watt Power Capacity
- Oiled Walnut Enclosure

$6600

$5 monthly

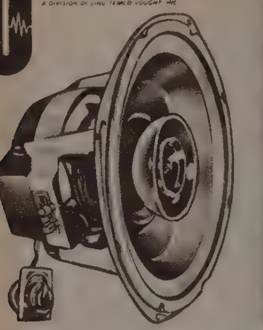
Tremendous speaker system value. One of a new series. Features true 3-way design that delivers pure, natural sound for 40 to 18,000 cps. 10" floating piston hyperbolic woofer cone handles bass frequencies to a maximum of 20 watts continuously, 30 watts peak for music and speech. 6" midrange and 3½" ultra-high tweeter for realistic midrange, and treble frequencies to the limits of audibility. 14x24x12". Finished in oiled walnut on all 4 sides. Grille framed in tooled ebony hardwood with attractive gold leaf edge. **Impedance:** 8 and 16 ohms. Shpg. wt., 40 lbs.

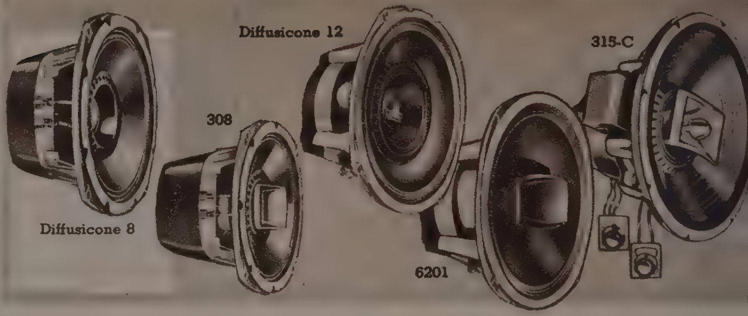
70 DU 325-G. *$5 Monthly*......66.00

Speakers Shipped Via Truck or Express

UNIVERSITY
A DIVISION OF LING TEMCO VOUGHT INC

Low Allied Prices on Hi-Fi Speakers





312 3-Way 12″ Diffaxial

$71.54 in Last Big Catalog

Renowned speaker reproduces extra-wide range of 28 to 40,000 cycles. 12″, high-compliance die-cast design woofer gives outstanding bass. Multi-element. Diffusicone provides uniform dispersion of 1000-3000 cps mid-range frequencies. Center-mounted, Sphericon Super Tweeter (±2 db to 22,000 cps), for 120° horizontal dispersion. Super Tweeter has its own specially constructed reflector baffle to prevent acoustic interaction between tweeter and woofer. Built-in L-C crossover network. Includes brilliance control. Power handling capacity, 35 watts. 13″ diameter, 6⅝″ deep. Impedance, 8 or 16 ohms. Shpg. wt., 13 lbs.
71 DU 006-G. *$5 Monthly*.......**58.40**

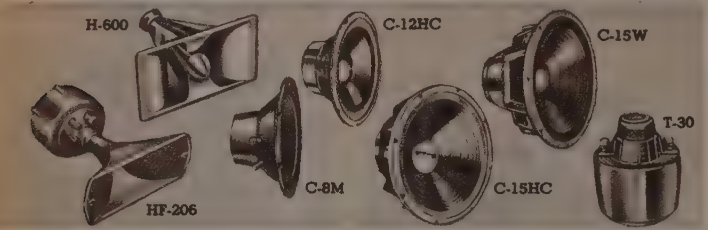
DIFFUSICONE 8 2-WAY 8″ SPEAKER. $27.44 in last big catalog. Wide response, 30-15,000 cps. Power handling capacity, 35 watts. Imp., 8 or 16 ohms. 4$\frac{15}{16}$″ deep. Shpg. wt., 5 lbs.
71 D 010-G. *$5 Monthly*........**21.95**

308 3-WAY 8″ SPEAKER. $41.16 in last big catalog. Multi-element diffusicone mid-range unit, compression-type tweeter, 5000-cps crossover. Extra-large voice coil. Response, 30-17,000 cps. Capacity, 35 watts. 8 or 16 ohms. 6⅛″ deep. 6 lbs.
71 D 011-G. *$5 Monthly*.........**33.60**

DIFFUSICONE 12, 2-WAY 12″ SPEAKER. $38.96 in last big catalog. Deep bass without boominess. Mechanical crossover at 1000 cps. 25-15,000 cps. 35 watts. 8 or 16 ohms. 6⅝″ deep. 12 lbs.
71 DU 007-G. *$5 Monthly*.......**31.81**

6201 12″ COAXIAL. $56.95 in last big catalog. Natural bass, full mid-range and clear, bright highs. Separate drivers for woofer and compression-type tweeter. 2500-cps crossover and brilliance control. Response, 28-18,500 cps. 35 watts. 8 or 16 ohms. 6⅝″ deep. Shpg. wt., 13 lbs.
71 DU 009-G. *$5 Monthly*.......**46.21**

DELUXE 315-C 3-WAY 15″ SPEAKER. $152.88 in last big catalog. Theatre-type woofer features high-excursion, dual-spider piston and anti-breakup low-resonance diaphragm. Diffusicone mid-range crosses over at 1000 cps. Uses T-50 Hypersonic driver and axially mounted wide-angle tweeter horn. 25-20,000 cps. Has balance controls for mid-range and treble. Magnet wt., 6½ lbs. Capacity, 50 watts. Imp., 8 or 16 ohms. 12″ deep. Shpg. wt., 38 lbs.
71 DU 008-G. *$7 Monthly*.....**124.80**



Woofers, Tweeters and Crossovers

C-15HC 15″ WOOFER. $87.71 in last big catalog. Twin-spider suspension. Response, 15 to 800 cps. 60 watts. 4-20 ohms. 8⅛″ deep. Shpg. wt., 28 lbs.
71 DU 026-G. *$5 Monthly*.......**71.60**

C-15W 15″ WOOFER. $83.30 in last big catalog. Dual voice coil and 6-lb. magnet. Below 25 cps to 1500 cps. 50 watts. 4-20 ohms. 10½″ deep. 30 lbs.
71 DU 025-G. *$5 Monthly*.......**68.00**

C-12HC 12″ WOOFER. $48.51 in last big catalog. 20 to 3000 cps. 50 watts. 4-20 ohms. 6⅞″ deep. 12 lbs.
71 DX 027-G. *$5 Monthly*.......**39.60**

C-8M MID-RANGE 8″ SPEAKER. 500-5000 cps. 50 watts. 4¼″ deep. 3½ lbs.
71 D 048-G. Was $16.61........**13.57**

T-30 MID-RANGE AND HF DRIVER. Was $29.30. For Cobreflex or H-600 horns. 350-15,000 cps. 50 watts. 8 ohms. 1⅜″-18 throat. 3½x3¾″. 2¾ lbs.
71 D 049. *$5 Monthly*...........**24.00**

H-600 MID-RANGE HIGH-FREQUENCY HORN. For use with T-30, 600-cycle cutoff. Uniform dispersion. Size, 7¾x8¾x4¾″. Shpg. wt., 2 lbs.
71 D 050. Was $18.62..........**15.20**

HF-206 TWEETER. Was $32.34. 120° horizontal and 50° vertical. Low end cut-off, 3500 cps. 50 watts. For 3-way systems, use N-1 filter (below). 8 ohms. 6x3$\frac{5}{16}$x6$\frac{9}{16}$″. Shpg. wt., 3½ lbs.
71 D 051. *$5 Monthly*..........**26.40**

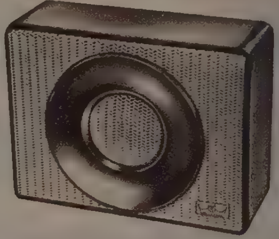
COBREFLEX TWIN-FLARE HORN. (Not illus.) Mid-range down to 350 cps. 1⅜″-18 throat. 10¼x18½x9¼″. 13 lbs.
57 DX 566. *$5 Monthly*.........**23.67**

N-1 HIGH-PASS FILTER. (Not illus.) Adjustable for 4, 8, 16 ohms. 3⅝x3¼x3″. 2 lbs.
71 D 053. Was $13.72...........**10.98**

N-2A CROSSOVER NETWORK. (Not illus.) For 4, 8, 16 ohms. 3⅝x3¼x3″. 2½ lbs.
71 D 054. Was $17.64...........**14.11**

AP-8 LEVEL CONTROL. (Not illus.). 7 oz.
71 D 055. Was $3.87.............**3.10**

T-203W Sphericon Super Tweeter



- 3000-40,000 cps
- 30-Watt Rating

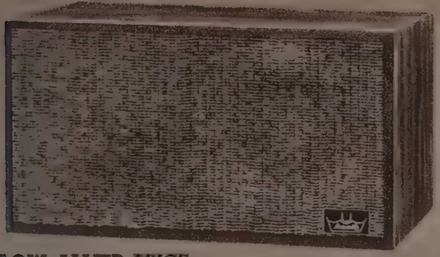
$24.45 in Catalog 230

Famous tweeter reproduces "highs" with almost unbelievable clarity and fidelity. Built-in crossover network allows hook-up to your present speaker system in minutes. Response: 3000-40,000 cps (±2 db to 22,000 cps). Domed phenolic diaphragm and spherical diffractor. Dispersion, 120° any direction. Crossover and brilliance control. 6¾x5¼x2¾″. Walnut case. Capacity, 30 watts. 8 ohms (use with 4-16 ohm speaker). Wt., 3 lbs.
71 D 060-G. *$5 Monthly*.**19.96**

MODEL T-202 TWEETER. As above, less case. 4⅝″ dia., 4″ deep. Shpg. wt., 2½ lbs.
71 D 061-G. *$5 Monthly*..**19.96**

Save on Speaker Systems and Speakers

UNIVERSITY
A DIVISION OF LING TEMCO VOUGHT INC



LOW ALLIED PRICE

Companionette 3-Way Shelf System

conomy 3-way shelf-size speaker system. Perfectly matched—rovides ultra-linear bass, life-like mid-range, and widely dis-ersed, crystal-clear highs. Features University's long-throw voice oil design in powerful 8" woofer, for amazing linearity. Voice coil ever leaves air gap, assuring constant magnetic force. Brings you lean, smooth bass response that is unique in an enclosure of such oderate size. Exceptionally wide-range frequency response of 0-17,000 cps. Uses 3" mid-range speaker and 3½" tweeter with vel control. Special viscous-damped high-compliance suspension revents undesirable resonances. Compactness and simplicity of ne make the enclosure suitable for placement amid virtually any ecor or any size room. Finely crafted of choice, genuine walnut on ll four sides. Hand-rubbed to a soft oiled finish, it may be used on oor, shelf or table—provides excellent reproduction horizontally or ertically. Electrical crossover—6 db/octave attenuation. Power andling capacity, 20 watts program material. Size, 11½x21¾x ⅝" deep. Impedance, 8 ohms. Shpg. wt., 21 lbs.
0 DU 273-G. *$5 Monthly*........................ 59.46

M-8D
LOW ALLIED PRICES
M-12D
M-12T

NEW! "Mustang" 2-Way and 3-Way Speakers

IUSTANG M-8D 2-WAY SPEAKER. Perfect for economy music ystems! Low-frequency section uses curvilinear diaphragm with ontrolled response to 1500 cps. Two-inch diameter voice coil. requency response range: 70-12,000 cps. Power handling capacity, 0 watts. Baffle opening, 7⅛"; only 2½" deep. Impedance, 8 hms. Shpg. wt., 5 lbs.
1 D 427-G......................... 15.60

IUSTANG M-12D 2-WAY SPEAKER. Big sound at exceptionally ow cost. Dual-cone high-fidelity speaker. Low frequency cone ection utilizes a curvilinear diaphragm with controlled response to 500 cps. High-frequency section is a Diffusicone, driven through a echanical crossover. Two-inch voice coil. Frequency response: 5-14,000 cps. Power handling capacity, 30 watts. Baffle opening, 11⁄16"; only 3⅝" deep, for front or rear mounting in shallow en-losures or on walls. Impedance, 8 ohms. Shpg. wt., 6 lbs.
1 DX 279-G......................... 16.80

IUSTANG M-12T 3-WAY SPEAKER. Deluxe performance at bargain rice. Uses a dual-diaphragm system for low and mid-frequency eproduction. "Sphericon" tweeter extends high range beyond mits of audibility, achieves wide angle dispersion. Response: 5-40,000 cps. Power handling capacity, 30 watts. Imp., 8 ohms. affle opening, 11⅟16"; 3⅞" deep. 8 lbs.
1 DX 280-G. *$5 Monthly*........................ 25.60

$97.51 in Last Big Catalog

Senior II 3-Way Shelf-Size Speaker System

Delivers balanced, natural sound throughout the wide frequency range of 30-22,000 cps. High and low frequency reproduction is amazingly authentic. Bass tones resound with authority; mid-range gives that "in person" feeling; highs are transparent and pure. Features the following components: Ultra-linear 12" woofer; 3½" mid-range speaker, and the Sphericon Super Tweeter (described on facing page). Has built-in crossover network (crossover at 3000 cps). Adjustable brilliance control. Clean lines of cabinet are matched by simplicity of grille cloth design. Finish is hand-rubbed, oiled walnut veneer—on all 4 sides. May be used vertically or horizontally—for floor as well as shelf. Size, 15⅝x25x12⅛". Power handling capacity, 40 watts program material. Impedance, 8-16 ohms. Shpg. wt., 47 lbs.
70 DU 111-G. *$5 Monthly*........................ 84.58

70 DU 115-G. As above, but inready-to-finish, sanded birch. Was $87.71 in last big catalog. *$5 Monthly*........................ **76.07**

COMPANION II 3-WAY SHELF SPEAKER SYSTEM. Response, 30-18,000 cps. Oiled walnut finish 4 sides. 13½x24x11½". Brilliance control. 30 watts. 8-16 ohms. Shpg. wt., 33 lbs.
70 DU 109-G. Was $77.91. *$5 Monthly*........................ 67.56
70 DU 110-G. As above, but in ready-to-finish, sanded birch **59.08**

MINIFLEX SERIES

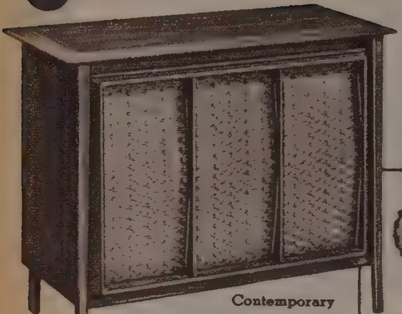
Miniflex II
Miniflex

MINIFLEX II 3-WAY SPEAKER SYSTEM. Truly a "Big Sound" marvel for the budget-minded high-fidelity enthusiast. Gives really "big" sound in compact rooms. Response: 45-18,000 cps. Has special "Q" 6½" woofer, 3½" mid-range, and 3½" tweeter. Cross-over frequencies, 800 and 2000 cps. Power handling capacity, 20 watts. Oiled walnut finish, ebony frame. Size, 9½x15x6" deep. Impedance, 8 ohms. Shpg. wt., 11 lbs.
70 DX 274-G. *$5 Monthly*........................ 42.08

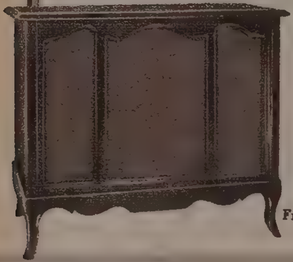
MINIFLEX 3-WAY SPEAKER SYSTEM. $68.55 in last big catalog. Ultra-compact—fits in any size room. Features mass-loaded voice coil woofer, and extremely low free-air resonant frequency. Response, 40-20,000 cps. Has 6½" woofer, 3" mid-range, 3½" tweeter; balance controls. Hand-rubbed oiled walnut finish. Power handling capacity, 20 watts. Size, 9⁷⁄₁₆x15x5³⁄₁₆" deep. Impedance, 8 ohms Shpg. wt., 15 lbs.
70 DX 251-G. *$5 Monthly*........................ 59.46

UNIVERSITY

Speaker Systems for True Fidelity



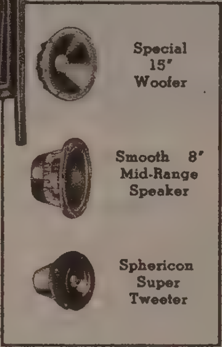
Contemporary



Authentic French Provincial

As Low As $250.75

$13 monthly



Exciting Classic Mark II 3-Way Systems

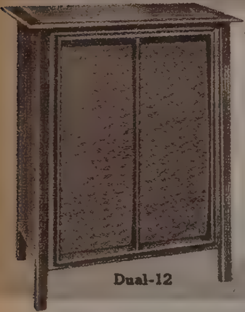
In Contemporary and French Provincial Styles

- Offered at Low Allied Prices
- Frequency Response is 20 to 40,000 cps
- Specially Designed Woofer has Uniferrox-7 Magnet and Massive Die-Cast Frame
- Flawlessly Crafted Fine Woods and Veneers
- Includes Presence and Brilliance Controls

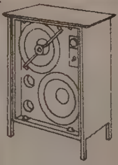
Designed to satisfy the most discriminating audio and visua taste, the Mark II is a marvel of furniture art and acoustica performance. Three balanced speakers combine to provid excitingly realistic sound throughout the entire audio spec trum. Heavy-duty 15" woofer has specially designed voic coil, Uniferrox-7 magnet, and massive die-cast frame. 8 mid-range speaker with reserve cone-excursion and powe capacity, ensures middle frequencies of striking clarity Sphericon super tweeter offers purely distilled highs an wide-angle dispersion. Presence and brilliance control Frequency response is an amazing 20 to 40,000 cps! Cross overs, 150 and 5000 cps. Power handling capacity, 60 watts Impedance, 4-8 ohms. 28¼x35x17½" (including legs) Shpg. wt., 101 lbs. Shipped express.

CONTEMPORARY MARK II Was $289.10 in Last Year' Catalog Hand-rubbed oiled walnut veneer.
70 DZ 101-G. *$13 Monthly*................250.7

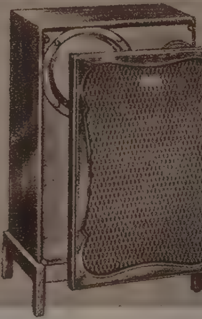
FRENCH PROVINCIAL MARK II. Authentic period styling Hand-rubbed cherry veneer.
70 DZ 127-G. *$14 Monthly*................276.2



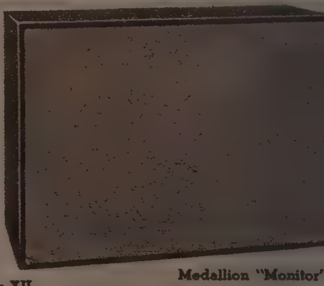
Dual-12



Two 12" Speakers plus Super Tweeter



Medallion XII

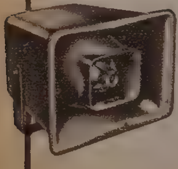


Medallion "Monitor"

Classic Dual-12 3-Way Speaker System

Was $224.91 in Last Year's Catalog. Extraordinary sound quality from a compact, tastefully styled cabinet. Speaker arrangement boasts a 12" high-compliance, large-excursion woofer that delivers powerful bass, plus a 12" woofer/mid-range speaker to *reinforce* the woofer, and deliver excellent middle notes. Also has famed Sphericon super tweeter (used in the Mark II, above) for crystal-clear highs without a trace of harshness. Brilliance and presence controls. Frequency response, 25 to 40,000 cps. Cabinet is elegantly finished in oiled-walnut veneer—hand-rubbed. Power capacity, 50 watts. Impedance, 4-8 ohms. Size, 23¾x31¼x15½" deep (including legs). Shpg. wt., 68 lbs. Shipped express.
70 DZ 235-G. *$10 Monthly*........................195.00

MLC Music/Aire Outdoor Speaker



Offers excellent hi-fi reproduction for outdoor enjoyment. Response: 150 to 15,000 cps. Built-in 2000-cps electrical crossover network. Full 120° horizontal sound dispersion. Effective weatherproof design. Capacity, 15 watts. Impedance, 8 ohms. 12¾x9⅛x10⅝". With universal "U" mounting bracket. Shpg. wt., 13 lbs.
71 DX 416-G. *$5 Monthly*...34.50

Versatile Medallion XII 3-Way Speaker System

Was $137.15 in Last Year's Catalog. Fine shelf speaker syster offering exceptional performance and versatility. Converts to floo model with optional base (below). Optional grilles permit you t choose the style of grille you prefer for your home. Internal arrange ment of perfectly balanced components has a 12" woofer for deep natural bass, an 8" mid-range speaker that produces smooth middl range, and a Sphericon tweeter for extremely clear, well disperse highs. Response is 28 to 40,000 cps. 24x17x11¼". Capacity, 4 watts. Impedance, 8-16 ohms. In mahogany, oiled-walnut or fruit wood hand-rubbed veneers—specify. Less grilles and floor base below. Wt., 43 lbs. Each grille, 3¾ lbs. Floor base, 3 lbs.

70 DU 650-C. *$6 Monthly*................118.9
70 DU 653. Early American Grille. Fruitwood only.......12.7
70 DU 652. French Provincial Grille. Fruitwood only.....12.7
70 DU 651-C. Contemporary Grille. Specify Finish........8.4
70 DU 592-C. Swedish Modern Grille. Specify Finish.....12.7
70 DU 654-C. Optional Base. 4¼" high. Specify Finish...12.7

Medallion "Monitor" 3-Way Shelf System

Includes the fine internal design and components of the Medallio XII, above to provide same high performance standard. Specificall styled for shelf placement. Finished handsomely in genuine hand rubbed oiled walnut. 12¼x24x17". Shipped express.
70 DU 128-G. *$6 Monthly*........................109.6
70 DU 129-G. Above, in Ready-to-Finish Natural Birch 105.4

Full-Range Speaker Systems by FISHER

"SLIM-LINE" SPACE SAVERS IN BOTH KIT AND ASSEMBLED FORM

Series KS-1 3-Way Systems With 10″ Woofers

• Free-Piston Woofer • Mid Range • Super Tweeter • AcoustiGlas Padding

Components are precision-balanced at the factory for extra-smooth response. Boast 10″ woofer with 4-pound magnet structure; 5″ mid-range unit; 3″ super tweeter for brilliant highs; 3-way crossover; padding to prevent resonance and vibration. (Kit models are smoothly sanded and ready for painting or staining.) Response, 40-18,500 cps. Capacity, 40 watts. Crossovers: 1400 and 5000 cps. Impedance, 8 ohms. With instructions. Only 24x28x5¾″. Wt., 33 lbs.

70 DU 153-G. KS-1-B Kit. Ready-to-finish solid birch. *$5 Monthly*... 53.50

70 DU 154-G. KS-1-W Kit. Ready-to-finish solid walnut. *$5 Monthly*... **58.00**

70 DU 156-G. **KS-1-AW Assembled, Finished.** Walnut. *$5 Monthly*... **76.05**

Series KS-2 3-Way Systems With 12″ Woofers

Deluxe version of KS-1 Series. 12″ woofer with massive 6-pound magnet structure; 5″ mid-range unit; 3″ tweeter with 2-pound magnet structure; 3-way crossover (1200, 2800 cps). (Kit models are smoothly sanded, ready for painting or staining.) 25 cps to beyond audio range. Instructions. 20x25x6½″. 38 lbs.

70 DU 214-G. KS-2-B Kit. Ready-to-finish solid birch. *$5 Monthly*... 80.55

70 DU 215-G. KS-2-W Kit. Ready-to-finish solid walnut. *$5 Monthly*. **85.05**

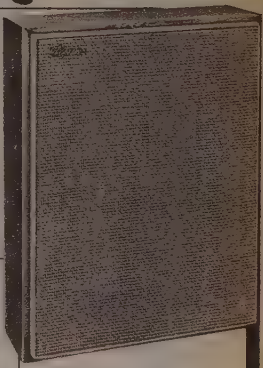
70 DU 216-G. **KS-2-AW Assembled, Finished.** Walnut. *$6 Monthly*. **101.60**

As Low As

$53 50

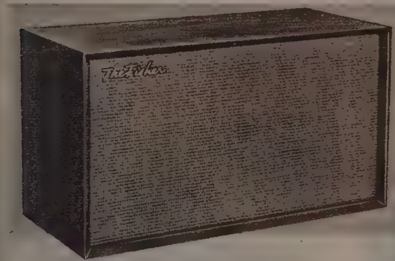
PRICES REDUCED 10% FROM LAST BIG CATALOG

Series KS-2



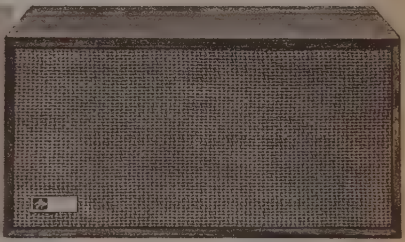
Series KS-1
Compact (Only 5¾″ Deep)
Big Sound, Smart Style

SERIES XP LABORATORY-DESIGNED SPEAKER SYSTEMS—LOW ALLIED PRICES



XP-2A
XP-1A
XP-4A

PRICES REDUCED 15% FROM LAST BIG CATALOG



XP-2A 3-Way 10″ System

Superb fidelity—moderate price! 10″ free-piston woofer has "cloth surround", 1½″ voice coil; 5″ mid range; 3″ tweeter; 2 LC crossovers (1600, 5000 cps). AcoustiGlas lined. 35-18,000 cps. 30 watts. 8 ohms. Mahogany or walnut—**specify.** 12x22x11¼″. 38 lbs.

70 DU 161C-G. *$5 Monthly*. 71.85

XP-1A 3-Way 12″ System

Deluxe version of XP-2A. 12″ woofer, 2″ voice coil, dual-dia. magnet; 5″ mid range; 3½″ tweeter; crossovers (1800, 3000 cps); 30-18,000 cps. 60 watts. 8 ohms. Mahogany or oiled walnut—**specify.** 13¼x24x11¾″. 48 lbs.

70 DU 159C-G. *$6 Monthly*. 110.10

XP-4A 3-Way 12″ System

Unusual design provides exceptionally smooth response from 28-20,000 cps. The unique "frameless" woofer permits fiberglas packing behind speaker. Consists of: 12″ woofer with 2″ voice coil (electrolytic copper for pronounced damping); two 5″ mid-range speakers; 2″ tweeter; 3-way crossover (1200, 2500 cps); balance controls for mid-range units and tweeter. 60 watts. 8 ohms. Mahogany or oiled walnut—**specify.** 14x24½x12″. Shpg. wt., 60 lbs.

70DZ157C-G. *$9 Monthly*. 169.55

Universal Base

For XP-1A, XP-2A, XP-4A, XP-5.

70 DX 119-G. Wt., 6 lbs...... 8.95

NEW XP-5 2-Way 8″ System

As Low As $42 08 $5 monthly

This compact expertly engineered system offers outstanding performance from 38 cps all the way to 18,500 cps! Consists of: 8″ free-piston woofer with 2½-pound magnet structure; 2½″ wide-dispersion tweeter; crossover at 2000 cps. Nonresonant housing packed with AcoustiGlas for excellent damping. Capacity, 10 watts. Impedance, 8 ohms. Only 10x20x9″. Shpg. wt., 15 lbs.

70 DU 191-G. Oiled Walnut. *$5 Monthly*. 46.32

70 DU 294-G. **Ready-to-Finish Birch.** Smoothly sanded; ready for painting or staining in color of your choice. *$5 Monthly*................. **42.08**

FOR THOSE WHO WANT FISHER'S FINEST!

Deluxe XP-10 3-Way 15″ System

A wonderful system for truly rewarding listening pleasure! Combines deluxe-quality speakers and an elegant contemporary floor cabinet. To you, this means magnificent high-fidelity and beautiful furniture design. Consists of: 15″ high-compliance woofer with 6-pound magnet structure for powerful, clean bass; 8″ mid-range speaker with 5½-pound magnet structure for unusual "presence"; dome-type tweeter with 5½-pound magnet structure for brilliant highs of astonishing clarity; 3-way crossover network (300 and 2500 cps). Response extends from 28 cps to beyond the audio spectrum. Capacity, 75 watts. Requires 10 watts, minimum. Impedance, 8 ohms. Hand-rubbed oiled-walnut cabinet. 30¼x24⅜x14⅜″. Shpg. wt., 80 lbs.

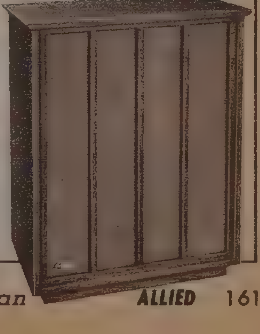
70 DU 217-G. *$11 Monthly*................................ 212.10

A masterful creation for music lovers who insist upon Fisher's best!

Was $249.50 in Last Big Catalog

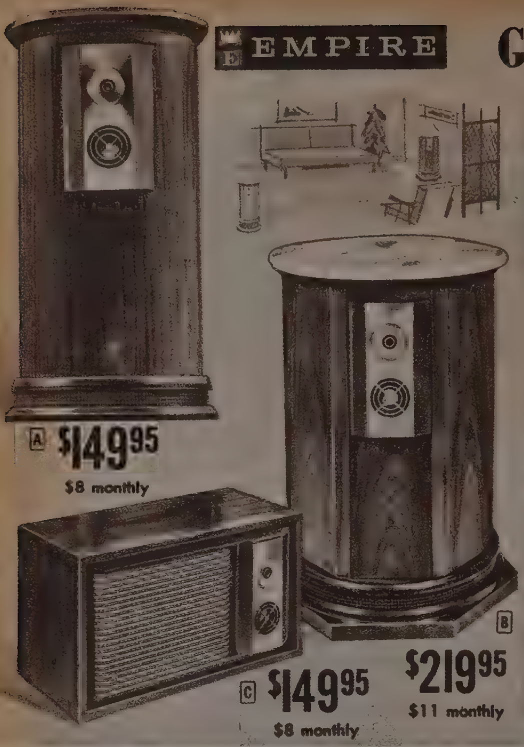
$212 10

$11 monthly



EMPIRE

Grenadier Speaker Systems



A Genuinely New Speaker System Development

"Grenadier" speaker systems feature Dynamic Reflex design, an Empire exclusive, that provides amazing range and sound quality—normally achieved in bigger and much costlier systems. Sound is equally dispersed to all parts of the room—you enjoy excellent stereo separation with non-critical speaker placement. And every "Grenadier" is an outstanding example of elegant furniture styling.

A **MODEL 8000 "GRENADIER."** Unique design—provides tremendous sound dispersion. Pair give you excellent stereo separation regardless of placement in a room. Mass loaded 12" woofer with floating suspension, 4" voice coil and massive 18-lb. magnet. Full presence midrange direct radiator and ultra-sonic domed tweeter in combination with divergent acoustic lens give you the full audio range—anywhere you sit. Woofer, facing downward with 360° aperature throat, prevents standing waves from developing in the room. Totally damped cabinet, finished in mar-proof and stain-proof satin walnut laminate. **Response:** 30-20,000 cps. 15¼" dia. 29" high. **Impedance:** 8 ohms. 67 lbs.
70 DZ 269-G. *$8 Monthly*........................149.95

B **MODEL 9000M "ROYAL GRENADIER."** Similar to Model 8000, but wider range (20-20,000 cps), larger woofer (15") and larger overall diameter (22"). Hand rubbed satin walnut finish; beautiful imported marble top. 29" high. Wt., 95 lbs.
70 DZ 270-G. *$11 Monthly*........................219.95
70 DZ 271-G. MODEL 9000W. Above, but with mar-proof satin walnut top. Shpg. wt., 87 lbs.........................**209.95**

C **MODEL 8200 "BOOKSHELF GRENADIER."** Rectangular version of Model 8000, above. Features same speakers, total enclosure damping and performance specifications as Model 8000. Satin walnut laminate finish. 14x24¾x12⅛". 67 lbs.
70 DZ 272-G. *$8 Monthly*........................149.95

utah Super-Value Speakers

Outstanding Values!
New 12" Woofer
$6.95

New 8" Woofer
$5.95

New 3½" Tweeter
$1.89

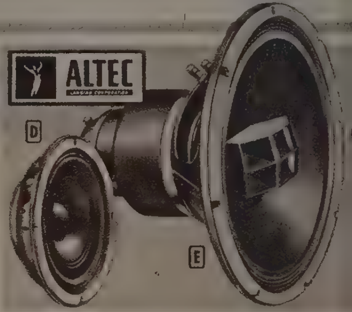
Extraordinary Performance At Amazingly Low Cost

Now, thanks to Allied's special purchase, you can have components for a true 2-way speaker system at a fraction of the price you'd usually pay. Great choice for economy music systems. Performance compares to what you expect from far more expensive speakers. Use the 8" or 12" woofer with the 3½" tweeter in your stereo system, or use them to update and improve the sound of your console phono, radio or television set.

NEW ECONOMY 12" WOOFER. Good low-cost hi-fi speaker. Extends response down to 35 cps for deep, solid bass. Excellent for use in low budget music systems, or as a replacement that upgrades the performance of your console phono, radio, or television set. Features 12-oz. magnet and 1½" voice coil. Full armored basket. **Response:** 35-6000 cps. 4½" deep. 12⅛" dia.; **Capacity:** 25 watts, **Impedance:** 8 ohms. Shpg. wt., 3½ lbs.
71 DX 278-G...................6.95

NEW ECONOMY 8" WOOFER. Similar to 12" above, but for enclosures requiring smaller diameter and depth. **Response:** 40-6000 cps. 8⅛" dia.; 3$\frac{1}{16}$" deep. **Capacity:** 20 watts. **Impedance:** 8 ohms. 3 lbs.
71 D 421-G...................5.95

NEW ECONOMY 3½" TWEETER. Ideal mate for either of the woofers listed at left. Now you can build your own true two-way hi-fi speaker system at rock-bottom cost. Lets you add extension speaker systems of surprising good quality at minimum cost to you. Or connect tweeter in parallel with any existing speaker to extend the treble range of your radio, phono, TV or hi-fi. Features fully enclosed basket for direct sound radiation, plus built-in capacitor that provides crossover at 5000 cps. 1-oz. Alnico V magnet meet or exceeds EIA standards for flux density. **Frequency Response:** 3500-16,000 cps. Ultra-thin—only 1⅝" deep. **Power Handling Capacity:** 15 watts of program material. Square frame, 3½" in dia. **Imp.:** 8 ohms. Wt., 8 oz.
71 DZ 422-G...................1.89



D **MODEL 755C 8" SPEAKER.** Compact, "pancake" speaker with "Biflex" multiple concentric compliance cone suspension. Delivers unusually wide range of 40-15,000 cycles with minimum distortion and smooth 90° dispersion. Has Index V 1½-lb. magnet, edge-wound aluminum voice coil and deep magnetic gap for precise cone control. 2¼" deep. 15 watts. Imp., 8 ohms. 6 lbs.
71 DU 217-G.................32.25

E **MODEL 605A 15" DUPLEX SPEAKER.** For those who insist upon the finest in audio reproduction. Features 2 mechanically and electrically independent speakers on a single frame for compactness, and installation ease. High compliance provides controlled linear excursion. Bass cone has 3" voice coil and 2½-lb. magnet; tweeter, 1¾" aluminum voice coil. Exponential horn produces 40° vertical and 90° horizontal dispersion. Crossover at 1600 cps. Response, 20-22,000 cps. 35 watts; 50 watts peak. 16 ohms. Widely used for professional monitoring and playback. 36 lbs.
71 DU 213-G. *$9 Monthly*.....168.00

Use Allied's Credit Fund Plan to Buy Your Speaker Systems

World-Famous British Speakers from Wharfedale

LATEST MODELS AT LOW ALLIED PRICES

On optional B67 Base (below, right)

W90 MK II Deluxe Dual 3-Way Speaker System

$218.00 $11 monthly

New Version ...W90 Was $259.50 in Catalog 230

Wharfedale's finest. Has 6 speakers (dual 3-way system) superbly balanced and tuned to sand-filled enclosure. Gives powerful bass down to the lowest audible frequencies—plus superb resolution in the mid and upper ranges. Includes 2 each: 12½" woofer; 5½" mid-range unit; 3" tweeter; LC crossovers for 500 and 6000 cps. Woofers utilize 9½-lb. magnets; are in individual chambers and isolated from other components. Mid-range and tweeter units are rear-mounted with free-floating fronts to prevent phase distortion. 40-watt capacity. 8 ohms. Recommended for use on optional base, right. 32¼x30¾x14¼" 130 lbs.
70 DU 315-G.........218.00

70 DU 316-G. Utility W90 MK II. Unfinished birch. Less center molding and extended top. *Unfinished W90 was $244.50 in last year's big catalog.* Shpg. wt., 130 lbs. **205.12**

Exclusive Achromatic construction—white sand densely packed between layers of hardwood. Creates an inert mass—prevents bass resonance and allows natural, full-fidelity sound.

W70 MK II Deluxe 3-Way Speaker System

$138.00 $7 monthly

New Version of W70 . . . Original Was $164.50 in Our Catalog 230

Offers thrilling fidelity and tasteful styling. Includes: 12½" woofer with massive 9½-pound magnet for extended bass; 10¼" mid-range with 2-pound magnet for presence and clarity; 3" tweeter with 3½-pound magnet for pure, widely dispersed highs; crossovers at 1500 and 6000 cps; brilliance control. For floor mounting, use optional base, right. 23⅞x24x14½". Handsome oiled walnut finish. Capacity, 30 watts. Impedance, 8 ohms. Shpg. wt., 65 lbs.
70 DU 317-G. *$7 Monthly*....138.00

70 DU 318-G. Utility W70 MK II. Unfinished birch. Less curved and decorative center molding, extended top and base. *Unfinished W70 was $146.50 in last year's big catalog.* Shpg. wt., 65 lbs.........**122.80**

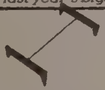
W60 MK II 2-Way Speaker System

$98.00 $5 monthly

New Version of Popular Model . . . Original W60 Was $116.50 in Our Big Catalog 230

Designed with the critical audio connoisseur in mind—at a modest price. Employs Wharfedale's unique sand-filled principle—two layers of wood with a completely inert filler of dry sand between them for resonance-free reproduction. Remarkable feature permits full, rich bass down to 20 cps. Magnificent sound is delivered by a highly effective combination of specially designed 5" tweeter with 1¼-pound magnet, and 12½" woofer with 9½-pound magnet. Both critically tuned to the enclosure. 14¼x24x13". Oiled walnut. Floor base, below. 30-watt capacity. 8-ohm impedance. 50 lbs.
70 DU 319-G. *$5 Monthly*............98.00

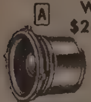
70 DU 320-G. Utility W60 MK II. Unfinished birch. Less curved and decorative center molding, extended top and base. *Unfinished W60 was $101.50 in last year's big catalog.* Shpg. wt., 50 lbs. .**85.20**



Model B67 4-Leg Universal Mounting Base

Fits all MK II and original models of W60, W70 and W90. Handsomely finished in oiled walnut. Shpg. wt. 10 lbs.
70 DU 590-G........................10.50
70 DU 554-G. Unfinished Birch..........**9.50**

Super 3 Tweeter



Was $26.50

$21.50

Super 8/RS/DD

$21.50

Was $26.50

Super 12/RS/DD

$71.60

Was $89.50 in Our Last Big Catalog

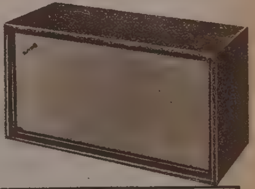
A **SUPER 3.** Fine tweeter. Response, 1000-20,000 cps. 20 watts. 8 ohms. Dia., 3⅝". 2¼" deep. 4½ lbs.
71 D 185-G. *$5 Monthly*.......21.50

B **MODEL SUPER 8/RS/DD.** Full range 8" speaker. Aluminum voice coil, and foam surround. 40-14,000 cps. 15 watts. 10-15 ohms. Bass resonance, 50-60 cps. Depth, 3½". 5 lbs.
71 D 235-G. *$5 Monthly*.......21.50

15 L 192-G. 4-mfd Frequency-Dividing Capacitor. For using Super 3 with Super 12/RS/DD, or other speakers. Provides 3000 cps high-pass filter. 4 oz..................**60¢**

C **MODEL SUPER 12/RS/DD.** Full-range 12" speaker. Delivers outstandingly rich, natural sound. Features: powerful Alcomax III ceramic magnet, providing high flux density of 17,000 gauss (total flux, 190,000) for stability; aluminum voice coils for maximum high-frequency response; die-cast frame and roll surround suspension for maximum bass response even in the smallest enclosures. Response, 25-20,000 cps. Bass resonance, 26-36 cps. 40-watt capacity. Impedance, 12-15 ohms. Depth is 7". Shpg. wt., 22 lbs.
71 DU 183-G. *$5 Monthly*..71.60

W40 MK II 2-Way Speaker System



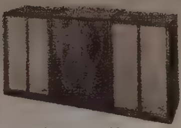
$66.80 $5 monthly

New Version of W40... Original Was $71.60 in Our Catalog 230

Fine low-cost 2-way system well-known for its impressive performance. Full-range reproduction by 10¼" woofer with 2-pound magnet and 5" tweeter with 1¼-pound magnet. 1500 cps crossover; brilliance control; sealed enclosure. 12½x23½x10⅛". Finished on all four sides in oiled walnut. Capacity, 40 watts. Impedance, 8 ohms. Wt., 37 lbs.
70 DU 321-G. *$5 Monthly*.........66.80

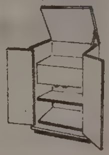
Buy Your Speaker Now—Use Your Allied Credit Fund

Hi-Fi Cabinet Kit and Economy Speaker Systems



KD-10 Cabinet Shown With Matching KD-9A Enclosures

Spacious!



Electro-Voice

New E-V KD-10 Hi-Fi Equipment Cabinet Kit

$69.50

$5 monthly

- **Beautifully Pre-Finished In Oiled Walnut**
- **Holds Changer and Tuner/Amplifier**
- **Has "Sure Corner" Positioners To Assure Thoroughly Professional Appearance**

Build this elegant cabinet yourself in a single evening, and save on the cost of a completely built unit. Complete kit is pre-finished in oiled walnut, and "Sure Corner" positioners assure precise alignment of side and top panels. The result; a spacious cabinet, right in tune with virtually any decorative scheme. Top compartment (6⅛x19½x15¾") for phono or tape deck has convenient lift-top access; 5⅛" space below phono mounting board. Lower compartment (14⅞x19½x17¼") has adjustable shelf to accommodate tuner and amplifier or even the largest receiver available today. Overall size, 29½x21x18¼". With all necessary hardware. Shpg. wt., 60 lbs.

70 DU 247-G. *$5 Monthly*.......................................69.50

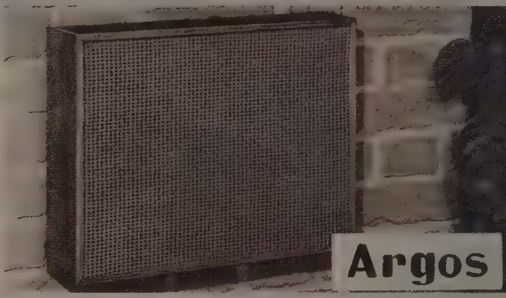
See Page 155 of This Catalog for Full Descriptions of KD-6A and KD-9A Speaker Enclosures to Match KD-10 Cabinet Above.

UTAH

Hi-Fi Sound On Your Patio or Porch

With 25' Cable **$11.95**

Includes Handy Volume Control



Argos

Utah HFOD-8 Two-Way 8" Outdoor Hi-Fi Speaker

Just the thing to add the crowning touch of music to your outdoor activities—and priced surprisingly low. Use it on the patio or in the backyard to bring wide-range hi-fi sound to those long afternoons of pleasant relaxation in the sun. Connect to any hi-fi system—complete with 25-ft. cable. No running back and forth to change the volume—handy control lets you change it right at the speaker. Features two-way 8" hi-fi speaker with 10-oz. barium ferrite magnet. Response, 35-18,000 cps. Steel cabinet with weatherproof meadow green finish, 2 keyhole mtg. slots, 10⅞x10⅞x5⅜". Capacity, 15 watts. 8 ohms. Shpg. wt., 6½ lbs.

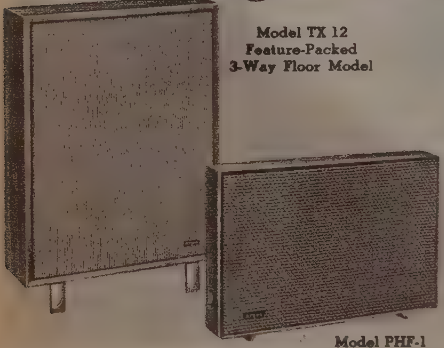
71 D 415-G........................................11.95

Argos PAT-10 8" Outdoor Hi-Fi Speaker

The rugged beauty of California redwood . . . the clean, crisp sound of hi-fi music—combined in a speaker system for your added gracious living out-of-doors. Two-way 8" hi-fi speaker with humidity-treated cone provides beautiful background for any setting: family barbecue, evening patio party or just sun-bathing on a chaise lounge. Easily hooked up to any hi-fi system—you can use two for stereo systems. Handsome ¾" construction—let it weather, stain it, paint it. Volume control on bottom of enclosure saves running indoors to adjust volume. Size, 14x10½x3½". Matching cane grille. Capacity, 10 watts. Impedance, 8 ohms. Wt. 5½ lbs.

70 DX 296-G.......................................17.60

NEW! Argos Economy 2 and 3-Way Speaker Systems



Model TX 12 Feature-Packed 3-Way Floor Model

Model PHF-1 2-Way "Petite"

Argos Model TX-12 3-Way Speaker System

Features 3 specially designed Jensen speakers (12" woofer, 8" solid-back midrange and 3½" tweeter) to provide pleasingly realistic sound from 50-17,000 cps. Crossover network effective at 800 and 3000 cps. Tube-vented enclosure is of ¾" construction, finished in satin-smooth oiled walnut. Durable plastic cane grille. 24x19x5⅞". With contemporary tapered legs for attractive console set-up. Capacity, 20 watts. Impedance, 8 ohms. 25 lbs.

70 DU 297-G. *$5 Monthly*.......................................53.85

Two or More.......................................**Each 48.98**

Argos Model PHF-1 "Petite" 2-Way Speaker System

Improved, compact "Petite" system featuring new Jensen 5" high compliance woofer with increased cone travel for deep, rich bass. 3½" tweeter with crossover network at 1200 cps delivers midrange and highs with phenomenal clarity. Handy recessed control on side of enclosure permits volume adjustment at the speaker. 18x12x3¾". With brass legs, wall mounts. Oiled walnut finish. Capacity, 6 watts. Impedance, 8 ohms. Shpg. wt., 13 lbs.

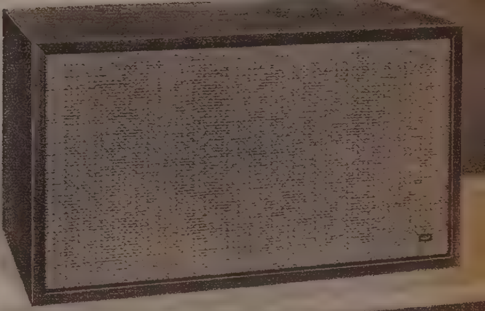
70 DX 298-G. *$5 Monthly*.......................................29.35

Two or More.......................................**Each 27.45**

Buy Your Speaker Systems on Allied's Credit Fund Plan

Speaker Systems and Speakers by utah

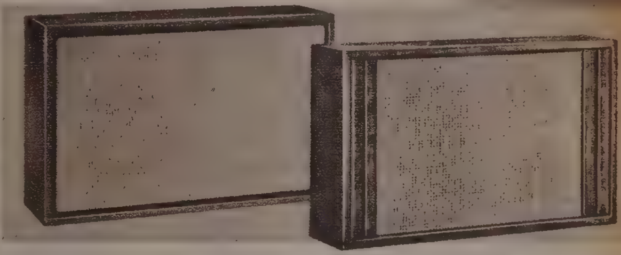
New "Heritage I" 3-Way Shelf System



- Smooth Wide-Range Response to 18,500 cps
- 12″ Woofer with Highly Efficient 1-Lb. Magnet
- Specially Designed 5″ UHF Tweeters
- Oiled Walnut Enclosure; ¾″ Panels

$78^{35}
$5 monthly

MODEL HF1-W. Superb-sounding 3-way bookshelf speaker system at a moderate price. Utilizes a 12″ woofer with extremely efficient 1-lb. dual-diameter magnet, specially damped cone, and big 1½″ voice coil for solid bass down to 30 cps. A true coil-and-capacitor type crossover network channels highs to a pair of specially constructed 5″ UHF tweeters which complement each other to achieve smooth response up to 18,500 cps. Sturdy ¾″ thick plywood enclosure has 1″ thick fiberglas acoustical insulation on three inside surfaces, beautiful oiled walnut veneer finish. Coded screw terminals for easy speaker phasing. Size, 15x28x14″. Power handling capacity, 40 watts. Imp., 8 ohms. Crossover, 2500 cps. 39 lbs.
70 DU 302-G. *$5 Monthly*............................78.35



Economy Picture-Thin System

- 8″ Woofer for Excellent Bass Response
- 3x5″ Cone-Type VHF Tweeter
- Choice of Handsome Veneer Finishes

MODEL PT-2. Just 3″ deep, it's low in cost and sounds great. Has 8″ woofer with barium ferrite magnet, 3x5″ VHF tweeter, capacitor crossover. 12x18x3″. Cap., 8 watts. 8 ohms. Mahog., walnut, blonde. 9 lbs.
70 DX 211C-G. Specify Finish...15.99

Deluxe Picture-Thin System

MODEL PT-4. Adds impressive sound without disturbing room decor. Has 8″ woofer with barium-ferrite magnet; two 3½″ tweeters, capacitor crossover. Walnut cabinet, cane grille. 12x18x3⅛″. Capacity, 8 watts. Imp., 8 ohms. 9 lbs.
70 DX 303-G.................19.55

New "Huntington" 3-Way System

- 8″ Woofer, 6″ Midrange, 5″ Tweeter
- Ducted Port Bass Reflex Enclosure
- Fine Furniture Walnut Veneer Finish

MODEL SH-5AW. You get big sound at very low cost from this complete 3-way speaker system. In keeping with today's trend toward slim profiles, the "Huntington" permits use on tables or shelves, in music walls, or even on the floor. An 8″ woofer with 1-lb. magnet, 6″ mid-range speaker and 5″ tweeter with electrical crossovers combine with a ducted-port bass reflex enclosure for pleasing 35-17,500 cps response. Fine furniture hand-rubbed oiled walnut veneer finish complements your listening room decor. Size, 13½x22x6½″. Capacity, 18 watts. Imp., 8 ohms. 15 lbs.
70 DU 295-G. *$5 Monthly*......48.95

"Sorcerer" 2-Way Speaker System

- 8″ Woofer for Impressive Bass
- 3½″ Tweeter for Crisp Clean Highs
- Smart Walnut-Veneer Cabinet

MODEL SH-4W. Extra-compact 2-way shelf speaker system gives you excellent sound plus fine furniture quality—it's an outstanding value at surprisingly low cost. Offers an 8″ woofer combined with 3½″ tweeter in a ½″ plywood enclosure. Delivers full, rich sound with impressive 45-17,000 cps response. The attractive cabinet has a hand-rubbed oiled-walnut veneer finish that matches any listening room decor. Compact size, measures just 12x20x5″—hang it on the wall, place it on a shelf or on the floor. Power handling capacity, 12 watts. Imp., 8 ohms. 13 lbs.
70 DU 178-G. *$5 Monthly*.......29.37

New Top-Value Economy High-Fidelity Speakers

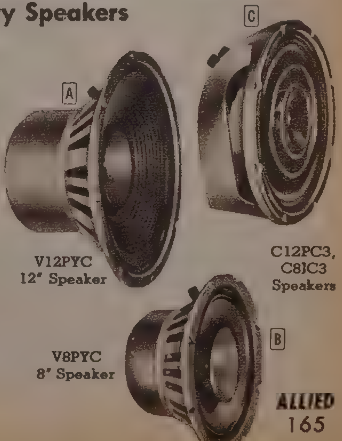
New 3-Way "Celesta" Series

A MODEL V12PYC. 12″ extended-range speaker gives amazing sound at low cost. Has die-cast frame, high-efficiency 12-ounce Alnico-V magnet, 1½″ diameter voice coil. Frequency response, 35-16,000 cps. Handles 25 watts of audio power. Impedance, 8 ohms. Binding post terminals. 5½″ deep, 11⁹⁄₁₆″ mtg. ctrs. 3½ lbs.
71 DX 276-G.................10.68

B MODEL V8PYC. 8″ extended range speaker offers excellent sound at a very low price. Has powerful 12-ounce Alnico-V magnet for high efficiency, 1½″ diameter voice coil for smooth 40-16,000 cps response. Handles 20 watts of audio. Impedance, 8 ohms. Color-coded binding post terminals for easy speaker phasing. 4″ deep, 7¹¹⁄₁₆″ mtg. centers. 3 lbs.
71 D 413-G.......................9.70

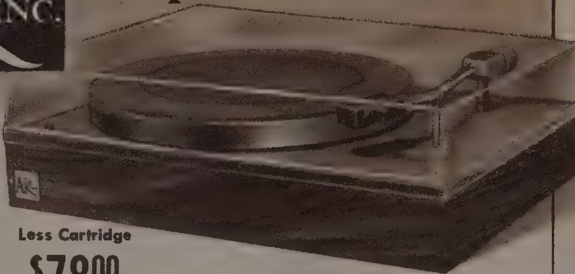
C MODEL C12PC3. 12″ 3-way speaker for budget-priced music systems. Has precision die-cast frame for perfect alignment of critical parts. 12″ woofer has high-efficiency 20-ounce barium-ferrite magnet with 1½″ voice coil for solid bass; whizzer cone for clear midrange. Aluminum-cone tweeter has capacitor-type crossover, provides smooth high-frequency response. Response, 25-20,000 cps. Handles 45 watts peak. Impedance, 8 ohms. 5¾″ deep. 11⁹⁄₁₆″ mtg. centers. Shpg. wt., 12 lbs.
71 DX 277-G..................24.45

C MODEL C8JC3. Above, but 8″ 3-way speaker, 10-oz. barium-ferrite magnet, 1″ dia. voice coil. Response, 35-20,000 cps. Handles 30 watts. 8 ohms. 3¾″ deep, 7¹¹⁄₁₆″ mtg. centers. Wt., 5½ lbs.
71 D 414-G..................17.59



Popular Turntables

AR INC.



With Arm, Base And Cover. Features Viscous Damping System in Arm

With Cartridge $78.01 $5 monthly | **Less Cartridge** $78.00 $5 monthly

Save up to $19.94

AR 2-Speed Turntable Package and 1c Cartridge

You get choice of Empire 880P or Shure M7/N21D stereo cartridge for only a penny more when you buy the AR turntable package. Includes 2-speed turntable, pickup arm, oiled walnut base, transparent plastic dust cover and connecting cables. Turntable and arm suspended from motorboard for almost total isolation from external forces. Belt drive for 33⅓ and 45-rpm; 2 synchronous motors for extremely low wow and flutter; 3.5-lb. aluminum platter with plastic foam pad. 12" arm has viscous-damping. Size (with cover), 5¼x16¾x 12¾". With pressure gauge. For 110-120 v., 60 cycle AC. 20 lbs. Specify Cartridge.

23 RU 989-2G. AR Package With Cartridge. *$5 Monthly*. 78.01

73 RX 119-G. AR Package, Less Cartridge. *$5 Monthly*. Wt., 20 lbs. **78.00**

23 RU 997-2G. AR Package with Empire 880PE Elliptical Cartridge. *Save $19.95*. Shpg. wt., 20 lbs. *$5 Monthly*. **88.00**

YOUR CHOICE OF EITHER STEREO CARTRIDGE FOR

only 1c more

Shure M7/N21D

Empire 880P

WITH YOUR PURCHASE OF A HI-FI TURNTABLE

Pay only 1¢ more and choose one of these deluxe magnetic stereo cartridges when you buy AR, Weathers or Bogen B-62 turntable on this page—or Rek-O-Kut R-34 turntable on next page. Shure M7/N21D has .0007" diamond stylus. 20-20,000 cps. Separation: 20 db. Compliance: 9.0x 10^{-6} cm/dyne. Empire 880P has .0006" diamond stylus. 6-30,000 cps. Separation exceeds 30 db. Compliance: 30x10^{-6} cm/dyne.

W

Most Compact Turntable Ever . . . Measures Ony 2¾" High

only 1c more

Save up to $19.94

M7/N21D 880P

With Cartridge $91.51 $5 monthly | **Less Cartridge** $91.50 $5 monthly

ML-66A Turntable Package and 1c Cartridge

Ensemble combines maximum performance with minimum weight and size. Includes turntable, oiled walnut arm and oiled walnut base—and, for only 1¢ more, you get your choice of Shure M7/N21D or Empire 880P stereo cartridge. Turntable and arm virtually insensitive to all sources of acoustic feedback. Arm has viscous damping mechanism. 2 hysteresis synchronous motors. Noise level: —60 db. Wow and Flutter: 0.04%. 2 3/16x16 5/16x14 1/16". For 110-120 v., 60 cycle AC. Wt., 16 lbs.

23 RX 979-2G. Specify Cartridge.*$5 Monthly*. 91.51

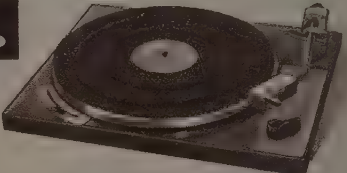
73 RX 240-G.ML-66A,LessCartridge.*$5Monthly*. **91.50**

23 RX 996-2G. ML-66A Package with Empire 880PE Elliptical Cartridge. *Save $19.95*. Shpg. wt., 16 lbs. *$5 Monthly*. **101.50**

73 RX 242-G. Model K-66. Was $129.50 in Catalog 230. Above, but with Weathers LDM stereo cartridge. "Stress Generator" design eliminates excessive mass. Shpg. wt., 16 lbs. *$5 Monthly*. **99.50**

BOGEN PRESTO

M7/N21D 880P



only 1c more

Save up to $19.94

With Cartridge $64.96 $5 monthly | **Less Cartridge** $64.95 $5 monthly

B-62 Turntable Package and 1c Cartridge

Fine turntable and arm. For 1¢ more, choice of Shure M7/N21D or Empire 880P cartridge. Variable from 29 to 86 rpm; click-in settings for 4 speeds. Arm raised by linkage; built-in pressure gauge. 15¼x 13¼"; requires 2½" above, 2¼" below mtg. board. Less base and dust cover. For 110-120 v., 60 cycle AC. 23 lbs. **Specify cartridge.**

23 RU 998-2G. *$5 Monthly*. 64.96

23 RU 999-2G. B-62 Package with Empire 880PE Elliptical Cartridge. *Save $19.95*. Shpg. wt., 23 lbs. *$5 Monthly*. **74.95**

73 RX 277-G. B-62, Less Cartridge. 23 lbs. *$5 Monthly*. **64.95**

73 RX 278-G. Wood Base. Walnut finish. 8 lbs. **5.25**

73 RX 221-G. Model COV-1 Dust Cover. Wt., 3 lbs. **5.50**

73 R 039-G. Extra Aluminum Plug-In Head. Wt., 6 oz. **4.00**

MKII

Save $7.78

only 1c more

With Cartridge $49.91 $5 monthly | **Less Cartridge** $49.90 $5 monthly

B-51 Package and 1c Cartridge

Big value turntable outfit, with Pickering MKII stereo cartridge for 1¢ more. 4-pole motor; 11¾" turntable, variable from 29-88 rpm 4 fixed settings. 14½x 12¼"; requires 2½" above, 2¼" below mtg. board. Less base, below. For 110-120 v., 60 cycle AC. 16 lbs.

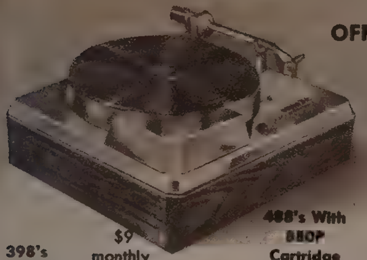
23 RX 375-2G. *$5 Monthly* 49.91

73 RU 261-G. Less Cart. 16lbs. **49.90**

73 RX 262-G. Walnt. Base. 5lbs. **5.25**

Selected Hi-Fi Turntable Packages

OFFER YOU EXTRA SAVINGS!



398's With 880P Cartridge **$169.95** $9 monthly

488's With 880P Cartridge **$159.95** $8 monthly

empire

EXTRA VALUE

Stereo Cartridges

Empire 880P or 880PE

Cartridges in Empire turntable packages below assure top record performance. 880P offers brilliant 6-30,000 cps response; 880PE also has elliptical stylus.

Empire 398G Turntable With Base and Cartridge

Deluxe turntable, arm, base and cartridge ensemble for superb record reproduction. 880P cartridge provides full-range response (6-30,000 cps). 3-speed turntable has isolated hysteresis motor; 6-lb. platter. Free suspension tone arm. 7½x17x15". Satin-gold, with walnut base. For 110-120 v., 60 cycle AC. 28 lbs.

20 RU 474-2G. 398G, With Base, Cartridge. *$9 Monthly.* 169.95

23 RU 381-2G. 398G with Base and New Empire 880PE Elliptical Cartridge. 28 lbs. *$9 Monthly*........................**179.95**

20 RU 486-2G. 398C, With Base and 880P Cartridge. Same as 398G Ensemble, but with satin chrome finish. 28 lbs.........**169.95**

23 RU 380-2G. 398C with Base and New Empire 880PE Elliptical Cartridge. 28 lbs. *$9 Monthly*........................**179.95**

Empire 488G Turntable and Cartridge Package

Professional turntable and arm plus Empire 880P deluxe stereo cartridge. 3-speed, belt driven turntable virtually eliminates rumble, shock and vibration. Has 5-lb. balanced, platter; rubber mat; 45-rpm adapter; hysteresis synchronous motor. Satin gold. 7½x16x13¾". Less base, below. For 110-120 v., 60 cycle AC. 25 lbs.

23 RU 574-2G. 488G, With Cartridge. *$8 Monthly*....159.95

23 RU 377-2G. 488G with New Empire 880PE Elliptical Cartridge. Shpg. wt., 25 lbs. *$9 Monthly*........................**169.95**

23 RU 575-2G. 488C, With 880P. Above, satin chrome. **159.95**

23 RU 379-2G. 488C with New Empire 880PE Elliptical Cartridge. Shpg. wt., 25 lbs. *$9 Monthly*........................**169.95**

73 RX 091-G. BW/408 Walnut Base. For 488G or 488C. 6 lbs. 10.00

THORENS

Finest Swiss Craftsmanship

TD-111

TD-124

TD-111 With Arm **$60** $5 monthly

TD-124 With Arm **$180** $9 monthly

Thorens Turntables With Ortofon Arms

TD-111 TURNTABLE WITH SKG-212 ARM. Get this precision single-speed (33⅓-rpm) turntable with precision Ortofon 12" tone arm. 12", 8-lb. turntable features variable speed control; idler wheel and belt-drive that isolate motor vibration; shock mounts; strobe disc. Balanced tone arm has counterweight adjustable from 0 to 10 grams; arm is separate—easy-to-follow mounting instructions. 15x12"; requires 3½" below mounting board. Less base, below. For 110-120 v., 60 cycle AC. Shpg. wt., 23 lbs.

23 RU 384-2G. *$5 Monthly*........................60.00

TD-124 TURNTABLE WITH RMG-212 ARM. Thorens best 4-speed turntable with deluxe dynamically balanced, gimbal-suspended arm. Features variable speed (±3%); 12", 11½-lb. platter; belt-drive with idler wheel; idler disengage; lighted strobe; leveler. 15½x12⅞"; requires 2¾" below mounting board. Arm is separate; easy-to-follow mounting instructions. Less base, below For 110-120 v. or 200-250 v., 50-60 cycle AC. Wt., 35 lbs.

23 RU 385-2G. *$9 Monthly*........................180.00

23 RU 386-2G. TD-121 With SMG-212 Arm. Turntable as above, but 33⅓ rpm only; 8-lb. table. Has strobe disc; level knobs. Converts to 16, 45 or 78 by moving idler. Less base. For 110-120 v., 60 cycle AC. Wt., 28 lbs. *$6 Monthly*........................**115.00**

BASES AND MOUNTING BOARDS

Stock No.	For	Description	Wt.	EACH
73 RX 031-G	TD-124, TD-121	Walnut Base	7 lbs.	12.50
73 RX 032-G	TD-111	Walnut Base	7 lbs.	10.00
73 RX 034-G	TD-124, TD-121	Unfinished Mtg. Board	5 lbs.	4.50
73 RX 036-G	TD-111	Unfinished Mtg. Board	5 lbs.	4.50

REK-O-KUT

Shure M7/N21D

Empire 880P

only 1c more

With Cartridge **$89.96** $5 monthly

Less Cartridge **$89.95** $5 monthly

Save up to $19.94

R-34 Stereotable Package and 1c Cartridge

High quality ensemble at a low price—and, for only 1¢ more, take your choice of Shure M7/N21D or Empire 880P stereo cartridge. 2-speed stereotable (33⅓ and 45-rpm) has hysteresis synchronous motor; cast aluminum platter; isolated, phased acoustic suspension. **Noise:** −58 db. **Wow and Flutter:** 0.9%. 6¼x14½x14¾". With arm and walnut base. For 110-120 v., 60 cycle AC. Shpg. wt., 18 lbs. *Specify Cartridge.*

23 RX 382-2G. *$5 Monthly*........................89.96

23 RX 383-2G. R-34 With Arm, Base and New Empire 880PE Elliptical Cartridge. *$5 Monthly*........................**99.96**

73 RX 237-G. R-34, Less Cartridge. Wt., 18 lbs.....**89.95**

73 RU 013-G. B-12H Stereotable. Deluxe 3-speed table. Hysteresis synchronous motor. Requires 6¼" below mtg. board. Less base (below) and arm (S-320, on page 169). 23 lbs. **165.00**

73 RX 006-G. Model BH Walnut Base. For B-12H. 8 lbs. 18.95

73 RU 014-G. B-12GH Stereotable. Above, but standard hysteresis motor. Requires 4¾" below mtg. board. Less base, below. Shpg. wt., 21 lbs. *$6 Monthly*................**109.95**

73 RX 015-G. BW-1 Walnut Base. For B-12GH. 8 lbs. 16.95

Magnetic and Ceramic Hi-Fi Cartridges

M7/N21D
M44-7
M44-5
M3D
M5D
V-15
M55E

SHURE MAGNETIC CARTRIDGES . . STEREO AND MONOPHONIC

M7/N21D STEREO CUSTOM DYNETIC. Performance-proven. Response: 20-20,000 cps. Compliance: 9x10^{-6} cm/dyne. Separation: over 20 db. Tracks at 1-2½ grams. Has .0007" diamond stylus. Wt., 3 oz.
73 RC 915-G.................17.95

M44-7 15° STEREO DYNETIC. Improved .0007" retractable diamond stylus is vertically angled 15° to cut distortion. 20-20,000 cps. 20x10^{-6} cm/dyne. Separation: over 25 db. 1-2½ grams. 6 oz.
73 RC 818-G. *$5 Monthly*.......19.95

73 RC 817-G. M44-5. Above, but 25x10^{-6} cm/dyne. .0005" stylus. ¾-1½ gm..**21.95**

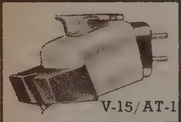
M3D STEREO DYNETIC. A popular cartridge year in and year out. Constructed according to critical tolerances. Has user-replaceable .0007" diamond needle. Response: 2-15,000 cps. Compliance: 4x10^{-6} cm/dyne. Separation: more than 20 db. Tracking force: 3 to 6 grams. Shpg. wt., 3 oz.
73 RC 900-G.................11.76

M5D PROFESSIONAL MONOPHONIC DYNETIC. Has user-replaceable .001" diamond needle. Response: 20-20,000 cps. Compliance: 3x10^{-6} cm/dyne. Tracking force: 2 to 6 grams. Shpg. wt., 3 oz.
73 RC 916-G. *$5 Monthly*......26.95

V-15 15° STEREO ELLIPTICAL DYNETIC. Shure's finest. .0009"x.0002" stylus. Angled at 15°, it reduces distortion to the vanishing point. Retracts to protect records. 20-20,000 cps. Compliance: 25x10^{-6} cm/dyne. Separation: 25 db. Tracks at ¾ to 1½ grams. 6½ oz.
73 RC 825-G. *$5 Monthly*......62.50

M55E 15° STEREO ELLIPTICAL DYNETIC. Moderate-cost cartridge. .0009"x.0002" elliptical diamond stylus, is retractable. 20,000 cps. Compliance: 25x10^{-6} cm/dyne. Separation: 25 db. Tracks ¾ to 1½ grams.
73 RC 827-G. 6 oz..............35.50

PICKERING Magnetic Stereo Cartridges


V-15/AT-1

MKII

380C

V-15/AT-1 15° "MICRO-MAGNETIC." "Micro-Magnetic" structure permits tiny size, while providing flat response from 20-20,000 cps. .0007" diamond stylus at 15° vertical angle precisely matches angle of recording cutter, to reduce distortion. V-Gard needle "floats" for protection. Mu-metal shielding. Channel Separation: 35 db. Tracking force: 1-5 grams. Shpg. wt., 3 oz.
73 RC 822-G.................................17.95

V-15/AME-1 15° "MICRO-MAGNETIC" ELLIPTICAL. 15° tracking angle and .0009" elliptical diamond needle reduce distortion. Mu-metal shield. V-Gard "floating" needle. 20-20,000 cps, flat. Channel Separation: 35 db. Tracks at: ¾-1½ grams. 3 oz.
73 RC 947-G. *$5 Monthly*.........................29.95

V-15/AC-1 15° "MICRO-MAGNETIC." Low-cost. Features 15° vertical tracking to reduce distortion. Mu-metal shielding. "Floating" .0007" needle. 20-20,000 cps. Channel Separation: 35 db. Tracks at 3-7 grams. Shpg. wt., 3 oz.
73 RC 824-G.................................15.95

V-15/AM-1 15° "MICRO-MAGNETIC." Tracks ¾ to 3 grams. 15° vertically angled .0007" V-Gard needle "floats." Mu-metal shielding. 20-20,000 cps. Separation: 35 db. 3 oz.
73 RC 826-G. *$5 Monthly*.........................21.95

ECONOMY MKII. .0007" diamond needle. 20-15,000 cps. Channel Separation: 25 db. Tracks at 3-7 grams. 3 oz.
73 RC 912-G.................................7.79

POPULAR 380C. Hermetically sealed. .0007" diamond needle. 30-17,000 cps. Separation: 35 db. Tracks at 4-7 grams. 2 oz.
73 RC 965-G.................................11.76

G.E. Orthonetic Magnetic Stereo Cartridges

All-New Suspension and Damping System

MODEL VR1000-7. Fine performance at low-cost. Triple, mu-metal shielding. .0007" diamond stylus. Response: 20-20,000 cps. Compliance: 4.5x10^{-6} cm/dyne. Separation: 20 db. Tracks at: 2-7 grams. 3 oz.
73 RC 141-G...................10.50

MODEL VR1000-5. An excellent value. Designed for turntables or deluxe changers. As above, except has .0005" diamond stylus, 6x10^{-6} cm/dyne compliance, 25 db separation, tracks 1-3 grams. 3 oz.
73 RC 142-G...................12.58

EMPIRE Deluxe Cartridges

880
880P

880PE

New Cartridge with Elliptical Needle Angled Vertically at 15°—a superb performer

Magnetic Stereo Cartridges

MODEL 880. Features 15° tracking, lower dynamic mass and higher compliance—reduces distortion to an extremely low point, makes possible wider frequency response, and gives separation over 30 db. For any record changer. Amazingly light "Dyna-Lite" .0007" diamond stylus is coupled with special magnetic element of extremely low mass. Response: 10-25,000 cps. Compliance: 10x10^{-6} cm/dyne. ¾-6 grams. 4 oz.
73 RC 902-G.................17.95

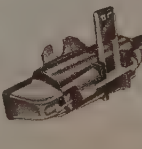
MODEL 880P. Deluxe version of 880 above. For turntable or record changer use. Hand-polished 15° .0006" diamond stylus. 10-28,000 cps. Compliance: 30x10^{-6} cm/dyne. Tracks as low as ½ gram. Wt., 4 oz.
73 RC 903-G. *$5 Monthly*.......19.95

MODEL 880PE. Empire's finest! Elliptical .0009" diamond stylus, vertically angled at 15°, virtually eliminates distortion by closely approximating original track of the recording cutter. Shares basic low-mass construction of the 880 series, with improved specifications. Response: 8-30,000 cps. Compliance: 20x10^{-6} cm/dyne. Separation: over 30 db. ½ to 4 grams. 4 oz.
73 RC 835-G. *$5 Monthly*.......29.95

ASTATIC Ceramic Stereo Cartridge

"Floating head" cartridge protects record and stylus from damage caused by excessive pressure. .0007" diamond needle. Wide frequency response (30-15,000 cps). Separation: 25 db. Compliance: 12-15x10^{-6} cm/dyne. 2-3 gram tracking. 5 oz.
73 RC 978-G...................13.75

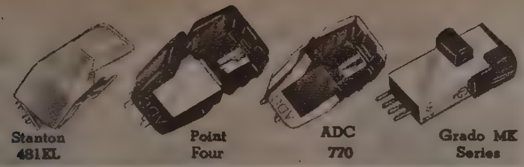
SONOTONE Ceramic Stereo Cartridges


Up-Date Your Phono System

9TAFHC-D77V. Match conventional magnetic inputs. Ceramic elements are inherently insensitive to hum pickup. Have dual diamond styli; each is .0007". Frequency response: 20-20,000 cps. Compliance: 15x10^{-6} cm/dyne. Channel separation: 30 db. Tracking force: 1.5 to 4 grams. Include RIAA equalizers. Shpg. wt., 9 oz.
73 RC 823-G...................14.55

73 RC 220-G. 9TAFHC-SDV. As above, but with .0007" diamond stylus for LP's, and .003" sapphire for 78's. Wt., 9 oz....**12.15**

Stereo Cartridges, Pickup Arms and Turntable



STANTON 481-EL. Magnetic fluxvalve has elliptical diamond needle. Response: ±1 db. 20-20,000 cps; ±2 db 10-20,000 cps. Separation: 35 db. Tracks at ½-3 grams. Shpg. wt., 5 oz.
73 RC 834-G. *$5 Monthly*............................49.50

STANTON 500AT. Miniature magnetic. Response: 20-20,000 cps. .0007" diamond needle at 15°. Separation: 35 db. Tracks at 3 grams (nominal). Shpg. wt. 4 oz.
73 RC 833-G. *$5 Monthly*............................24.00

ADC POINT-FOUR-E. Elliptical 15° diamond needle. 10-20,000 cps. 30x10-6 cm/dyne. 30 db. ¾-1½ grams. Magnetic. 3 oz.
73 RC 832-G. *$5 Monthly*............................50.00

ADC 660. .0005" diamond needle at 15°. 10-20,000 cps. 20x10-6 cm/dyne. Separation: 30 db. 1½-4 grams. Magnetic. 3 oz.
73 RC 830-G. *$5 Monthly*............................19.95

ADC 770. .0007" diamond needle at 15°. 10-20,000 cps. 15x10-6 cm/dyne. Separation: 30 db. 2-6 grams. Magnetic. 3 oz.
73 RC 831-G.............................17.95

GRADO MKI. Exceptional response: 10-50,000 cps. Compliance: 30x10-6 cm/dyne. Tracks from 2/10 of gram to 6 grams. Separation: 30 db. .0006" diamond needle. Moving-coil design. 3 oz.
73 RC 828-G. *$5 Monthly*............................75.00

GRADO MKII. 10-30,000 cps. 30x10-6 cm/dyne. Sep.: 30 db. .0006" diamond needle. 7/10 to 6 grams. Moving-coil design. 3 oz.
73 RC 813-G. *$5 Monthly*............................49.50

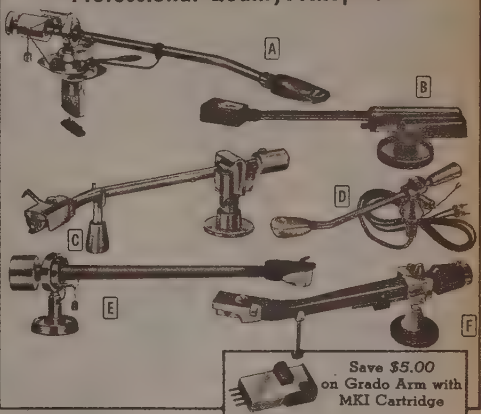
GRADO MKIV. 18-24,000 cps. 20x10-6 cm/dyne. Sep.: 20 db. .001" diamond needle. 7/10 to 6 grams. Moving-coil design. 3 oz.
73 RC 829-G. *$5 Monthly*............................27.50

DIAMOND REPLACEMENT NEEDLES

*Dual .0007" diamond. †.0007" diamond and .003" sapphire.

Stock No.	Mfr.	Type	Size	For	EACH
73 RC 836-G	Shure	V2NE	Ellipt.	V-15	25.00
73 RC 837-G	Shure	N44-5	.0005"	M44-5	11.35
73 RC 838-G	Shure	N44-7	.0007"	M44-7	9.75
73 RC 923-G	Shure	N21D	.0007"	M3D, M7D	12.50
73 RC 927-G	Shure	N22D	.0005"	M22	24.75
73 RC 808-G	Shure	N99	.0007"	M99 Series	12.95
73 RC 839-G	Shure	N55E	Ellipt.	M55	20.00
73 RC 920-G	Shure	N3D	.0007"	M3D	9.95
73 RC 922-G	Shure	N7D	.0007"	M7D	7.95
73 RC 840-G	Shure	N5D	.001"	M5D	16.50
73 RC 841-G	Pick.	D1507AC	.0007"	V-15AC-1	8.80
73 RC 842-G	Pick.	D1507AT	.0007"	V-15AT-1	9.90
73 RC 843-G	Pick.	D1500AME	Ellipt.	V-15AME-1	19.90
73 RC 844-G	Pick.	D1507AM	.0007"	V-15AM-1	11.90
73 RC 959-G	Pick.	D3807C	.0007"	380C	9.90
73 RC 805-G	Pick.	D3807ATG	.0007"	38ATG Series	12.00
73 RC 943-G	Pick.	D3807AT	.0007"	U38AT	9.90
73 RC 908-G	Empire	S880P-6RD	.0006"	880P	12.95
73 RC 845-G	Empire	S880PE-ERD	Ellipt.	880PE	15.00
73 RC 906-G	Empire	S880-7RD	.0007"	880	9.95
73 RC 846-G	Astat.	....	.0007"	229	1.69
73 RC 847-G	ADC	4-4/E	Ellipt.	Point Four	25.00
73 RC 848-G	ADC	R-660	.0007"	660	10.00
73 RC 849-G	ADC	R-770	.0007"	770	10.00
73 RC 850-G	Grado	....	.0006"	MKI	27.50
73 RC 851-G	Grado	....	.0006"	MKII	19.50
73 RC 852-G	Grado	....	.001"	MKIV	12.00
73 RC 853-G	Sonot.	N9916HC-D77	*	9TAFHC-D77V	3.00
73 RC 854-G	Sonot.	N9916HC-SD	†	9TAFHC-SDV	2.40
73 RC 855-G	G.E.	DR-7D	.0007"	VR1000-7	6.27
73 RC 856-G	G.E.	DR-5D	.0005"	VR1000-5	7.53
73 RC 857-G	Stant.	D4000EL	Ellipt.	481EL	19.50
73 RC 858-G	Stant.	D5107AT	.0007"	500AT	12.00
73 RC 802-G	Knight	....	.0007"	KN-500	5.95
73 RC 803-G	Knight	....	.0007"	KN-505X	8.95
73 RC 804-G	Knight	....	.0005"	KN-500X	6.95

Professional-Quality Pickup Arms



Save $5.00 on Grado Arm with MKI Cartridge

A SHURE SME-3009 12" ARM. For those who want professional quality. Arm tracks from ¼ to 6 grams, and takes any cartridge. Has ball and knife-edge bearings, and cue lever. Precision-machined fittings. Less cartridge. Shpg. wt., 1½ lbs.
73 RX 108-G. *$5 Monthly*............................92.00
73 R 136-G. A3OH Extra Plug-In Head. 4 oz............................5.50

B SHURE M232 12" ARM. A popular favorite. Takes any cartridge. Tracking force adjustable from 0.8 grams. Ball-bearing pivots. Variable height. Less cartridge. Shpg. wt., 2 lbs.
73 RX 105-G. *$5 Monthly*............................29.35
73 R 107-G. A30H Extra Plug-In Head. 4 oz............................2.35

C EMPIRE 980G 12" ARM. Offers flawless dynamic balance . . can actually track upside down! Tracking error: ±0.650. Arm resonance: 6 cps. Tracking force adjusts from 0-8 grams. Overhang adjustment. Satin gold finish. Less cartridge. Shpg. wt., 5 lbs.
73 RX 098-G. *$5 Monthly*............................39.95
73 RX 099-G. 980C Arm. As above, but satin chrome finish.**39.95**
73 R 100-G. Extra Cartridge Mounting. 3 oz............................1.95

D REK-O-KUT S-320 12" ARM. Has exclusive "Omni-Balance" to ensure exact lateral balance. Isolated counterweight. Single-hole mounting. Less cartridge. Shpg. wt., 2½ lbs.
73 RX 020-G. *$5 Monthly*............................34.95
73 R 024-G. PS-20L Extra Plug-In Head. 6 oz............................5.95

E ADC ADC-40 12" ARM. Very low inertia. Walnut arm, side-thrust compensator, counterweight, and ball bearings. Resonance: 6 cps. Min., ¾ gram. Less cartridge. 2¼ lbs.
73 RX 272-G. *$5 Monthly*............................44.50

ADC ADC-84E. Consists of ADC-40 arm, above and Point-Four-E elliptical cartridge (above, left). Shpg. wt., 2¼ lbs.
73 RX 273-G. *$5 Monthly*............................84.50

F GRADO 12" LAB SERIES ARM. Gunstock walnut. Separate vertical and lateral balance adjustments. Resonance: 11 cps. Minimum tracking force: ½ gram. Less cartridge. 3 lbs.
73 RX 118-G. *$5 Monthly*............................45.00
73 R 244-G. Extra Cartridge Slide. 6 oz............................2.95

GRADO LAB SERIES ARM AND MKI CARTRIDGE. Save $5.00 on this deluxe combination. Shpg. wt., 3 lbs.
73 RX 270-G. *$5 Monthly*............................115.00

STANTON Model 800B Stereotable Outfit

Outstanding single-speed stereo turntable outfit at an exceptionally low price. Consists of the 800B Turntable, 200 Pickup Arm, and Walnut Base. The 800 turntable features a unique suspension system with 3 rubber shock mounts and polarized magnets for virtual elimination of undesirable vibrations. 4-pole synchronous motor. Rumble is down 43 db. Wow and flutter is less than 0.15%. 200 "Unipoise" arm is supported by a single pivot for both lateral and vertical motion. Needle force is adjustable up to 3 grams. Balanced vertically and laterally. Size (including arm and base), 6½x15⅞x12⅞". Less cartridge. For 110-120 v., 60 cycle AC. 17 lbs.
73 RU 271-G. *$5 Monthly*............................99.00

$99.00

$5 monthly

Features Unique Suspension System

Accessories to Improve Your Hi-Fi System

Shuts Off System Automatically

Automatic "Music Minder"

The "Music Minder" automatically shuts off your high-fidelity system after the last record has played on your record changer. Simply plug your amplifier (or receiver) and record changer into "Music Minder." Convenient switch selects automatic or manual mode of operation. For use with Garrard and other European-made record changers. Size only 6½x2x1½". Shpg. wt., 2 lbs.

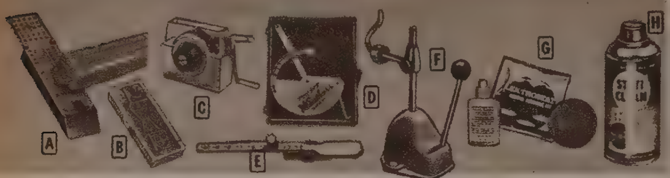
82 R 079-G.......................... 5.50

82 R 080-G. As above, but for use with American-made record changers. 2 lbs.......... 5.50

Rotron "Whisper Quiet" Cooling Fan

Blow away excess heat problems. Your equipment will last longer and give better performance when running cool. "Whisper Fan" silently circulates 65 cubic feet of air per minute to efficiently cool amplifiers, tuners, tape recorders—any electronic equipment. Ideal for use in enclosed custom installations. Runs virtually silent. Compact, 4 11/16" square and 1½" deep. With cord and plug. For 110-120 V. AC. Shpg. wt. 1½ lbs.

82 R 031-G.......................... 14.85



Popular Low-Cost Phonograph Accessories

A ROBINS SG-2 PRESSURE GAUGE. Accurate balance type. Measures needle pressure from ½ to 8 grams. 5 oz.
82 R 258-G.......................... 75¢

B ACOUSTIC RESEARCH NEEDLE FORCE GAUGE. Accurate balance type. Measures forces as low as ¼ gram. 4 oz.
82 R 260-G.......................... 1.00

C GARRARD PRESSURE GAUGE. Calibrated in 1-gram intervals up to 10 grams. Spring-type mechanism. Sealed lightweight alloy moving parts. 5 oz.
82 R 035-G.......................... 2.95

D WEATHERS PRESSURE GAUGE. Balance-type gauge indicates needle pressure with calibrations from 0-10 grams. Highly accurate and easy to use. 7 oz.
82 R 041-G.......................... 2.00

E WALCO PRESSURE GAUGE. Balance-type gauge sets needle pressure from 2 to 10 grams. Wt., 6 oz.
82 R 032-G.......................... 1.00

F DEXTRAFIX ARM POSITIONER. Gently and conveniently raises and lowers pickup arm. Prevents scratching records. Adjusts to all record sizes and to height of any pickup arm. Easy to install on any turntable. Shpg. wt., 5 oz.
82 R 037-G.......................... 3.95

G RECORD CLEANING KIT. Handy "Lektrostat" kit contains a 1½-ounce plastic bottle of anti-static detergent fluid, and a tufted wiping pad. Apply fluid to record, and then wipe it off with the pad. Dust and lint disappear. Shpg. wt., 5 oz.
82 R 023-G.......................... 1.96

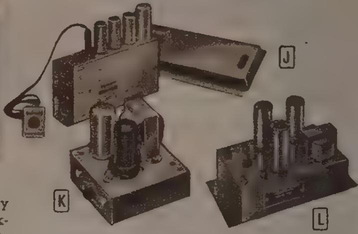
H WALCO RECORD SPRAY. Highly effective and easy to apply. Deposits a thin film on records. Extremely helpful in retarding the accumulation of harmful dust and lint. Supplied in 6-ounce aerosol spray can. Shpg. wt., 7 oz.
82 R 030-G.......................... 88¢
3 for.......................... 2.20

Selected Audio Switches and Controls

A wide selection of helpful audio controls and switches to give your music system greater versatility. All are top-quality items made by famous manufacturers. In table below, all have solder terminals except *screw terminals, †phono jacks. In mtg. column, below, W indicates wall plate mounting; SM, surface mounting; PM, panel mounting. Fig. M rated 10 watts. Fig. T rated 5 watts. Av. shpg. wt., 10 oz.

Stock No.	Fig.	Mfr. and Type No.	Mtg.	Description	EA.
82 R 158-G	M	Audiotex 30-364*	W	Mono 8-Ω L-pad speaker control	2.91
82 R 159-G	M	Audiotex 30-366*	W	Mono 16-Ω L-pad speaker control	2.91
82 R 160-G	M	Audiotex 30-372*	W	Stereo 8-Ω L-pad speaker control	5.00
82 R 161-G	M	Audiotex 30-374*	W	Stereo 16-Ω L-pad speaker control	5.00
82 R 169-G	M	Audiotex 30-388*	W	Stereo 3-speaker selector switch	2.91
82 R 170-G	N	Audiotex 30-360*	SM	Mono 3-speaker selector switch	3.23
82 R 186-G	....	Switchcraft 670*	SM	Stereo 2-speaker selector switch	3.70
82 R 194-G	P	Switchcraft 668†	SM	1 of 3 stereo sources to 1 input	3.30
82 R 196-G	R	Vidaire MS-6	PM	Mono selects any of 6 speakers	2.10
82 R 197-G	R	Vidaire MS-12	PM	Stereo selects any of 6 spkr. sets	2.64
82 R 201-G	S	Vidaire RS-10	PM	Selects either or both of 2 spkrs.	.98
82 R 202-G	T	Vidaire RF-10	PM	Distributes volume between 2 spkrs.	1.15

Reverberation Unit and Stereo Preamplifiers



J FISHER K-10 REVERB UNIT. The "Spacexpander" allows you to create exciting concert-hall acoustics in your home. For all stereo or monophonic music systems using separate preamps or having tape monitoring facilities. In stereo systems, can be connected to center-channel amplifier and speaker. Delays part of signal 33 milliseconds, simulating the thrilling, natural reverberation of a large auditorium. Requires 0.2 volt input. Easy to attach in minutes. Shpg. wt., 10 lbs.
72 SX 097-G. *$5 Monthly*.......... 59.00

K FISHER PR-6 PREAMP. Use with magnetic cartridge, tape head or mike, to drive amplifier not having magnetic input. ±2 db, 20-30,000 cps. 115 v AC. 1½ lbs.
72 S 049-G.......................... 13.45

L SHURE M-65 STEREO PREAMP. Converts ceramic or crystal inputs to magnetic. Size, 6⅞x3 5/16x3¼". For 110-120 v., AC. Shpg. wt., 5 lbs.
73 R 102-G. *$5 Monthly*.......... 23.52

73 R 103-G. As above, but transistorized. 2x5¼x5". For 115 v. AC. 1 lb.......... 27.50

Record Care Accessories by *ELPA*

W Automatic "Dust Bug"

Lightweight plastic arm with fine nylon brush, pad-type dust collector and pad-cleaning fluid. Arm has suction cup for easy mounting. Shpg. wt., 8 oz.

82 R 022-G. For Turntables.......... 5.75

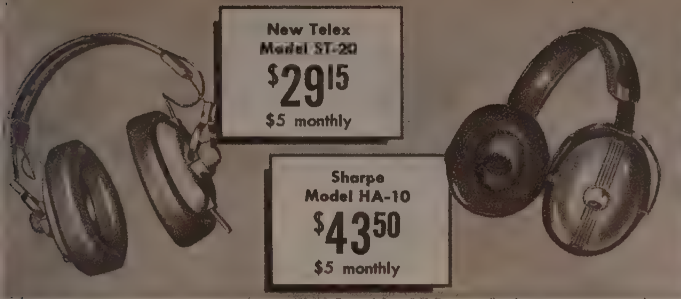
82 R 021-G. For Changers.......... 4.75

X Record Dust Remover

"Parastatik Preener" leaves no film. Just lightly rub brush with wetted center wick over rotating record. 6 oz.

82 R 261-G.......................... 3.00

Stereo Headphones for Private Music Listening



New Telex ST-20 Headset

"Stereo-Twin" headset provides exceptional perspective for exciting stereo realism. Features Integral Channel Control—each earpiece has its own built-in volume control to adjust balance and loudness. Weighs only 12 ounces, can be worn for extended periods without fatigue. Soft foam cushions keep music in, noise out; removable for easy cleaning. Dynamic speaker elements provide superb acoustic performance. **Response:** 16-15,000 cps. **Impedance:** 3-16 ohms. With 8-ft. cord and 3-circuit plug. Shpg. wt., 1 lb.
71 D 425-G. *$5 Monthly*........29.15
71 D 016-G. ST-10. Above, less volume controls. Shpg. wt., 1 lb...........**24.40**

Sharpe HA-10 Headset

For the ultimate in deluxe stereo listening. Brings you exciting, wide-separation stereo. Surrounds you with "living sound" that gives true concert-hall presence. Each earcup is actually a small dynamic transducer in an acoustic chamber—provide exceptionally broad flat response throughout the entire audio spectrum. Soft liquid-filled ear cushions afford outstanding wearer comfort and high cancellation of external noises—40 db at 1000 cps. Adjustable padded headband. Extra light and comfortable—weighs only 16 ounces. **Response:** 20-15,000 cps. **Impedance,** 10 ohms. With cord and plug. Shpg. wt., 1½ lbs.
71 D 017-G. *$5 Monthly*....... 43.50

Superex
Model ST-M
$29^{35}
$5 monthly
Clevite-Brush
Model 325S
$5 monthly
$29^{95}

Quality Superex Headsets

ST-M. Provides superb stereo music listening. Features two-way design for outstanding, wide-range response. Utilizes separate ceramic woofer and dynamic tweeter elements in each earcup. In addition, has built-in electrical crossover networks with adjustable tweeter level controls for each channel. Designed for comfort—thick polyfoam cushions the ears, stops outside noises; adjustable headband provides custom fit. With cord and 3-circuit plug, mono adapter. **Response:** 20-000 cps. **Imp.:** 8-16 ohms. Shpg. wt., 2 lbs.
71 DX 420-G. *$5 Monthly*......29.35

STMH-2. As above, high impedance. Ideal as monitor with tape recorders and other equipment having high-impedance output. Matches 2000-50,000 ohms. 2 lbs.
71 DX 423-G. *$5 Monthly*......40.00

SC-2 CONTROL BOX. For one or two sets of stereo phones. Balance and volume controls, on-off switch, screw terminals for speakers, 2 phone jacks. For use with low-impedance phones. Shpg. wt., ½ lb.
71 D 041-G.....................6.81

Clevite-Brush 325-S Headset

New deluxe stereo headset provides the ultimate in music listening. Combines superb high fidelity reproduction with high durability, and unusual comfort at a modest cost. Features rugged ceramic transducer elements that provide excellent sensitivity and frequency response. Very light—weighs only 11 ounces—balanced construction permits extreme listener comfort for long periods of listening. Soft, thick super-foam cushions are easily removable for cleaning. Individually adjustable earpieces afford a custom fit. Supplied complete with 8-ft. cord and molded 3-circuit plug. Frequency **Reponse:** 20-20,000 cps. **Impedance:** 16 ohms. Smart suntan color; contrasting ivory cushions. Shpg. wt., 1½ lbs.
71 D 424-G. *$5 Monthly*........29.95

Superex ECC Cushion Covers

Washable cotton covers for any earphones. Stretch to fit over cushions. Won't affect response. 2 oz.
71 D 426-G. PER PAIR 50¢

SP-3X Headset

Enjoy thrilling high-fidelity stereo without disturbing others. Sensitive 3½" dynamic elements provide extended-range response for full, rich bass reproduction and crisp clean highs. Superb channel separation imparts an exciting feeling of true "you-are-there" presence. Soft foam ear cushions let you listen for hours without tiring. Rugged construction—super-tough injection-molded Implex plastic headband and case resist cracking and scratching. Headset has smart, trim appearnace. With 8-ft. cord and 3-circuit plug. **Frequency Response:** 20-16,000 cps. **Impedance:** 4 to 16 ohms. Shpg. wt., 2 lbs.
71 D 018-G. *$5 Monthly*....24.45

SP-5SM HEADSET. Similar to above, but with stereo-mono switch. **Response:** 20-15,000 cps. **Impedance:** 4 to 8 ohms. Shpg. wt., 2½ lbs.
71 D 030-G. *$5 Monthly*....24.45

"Pro" Series

Model PRO-4 Headset

MODEL PRO-4. Truly a delight for the discriminating audiophile. Has adjustable headband and fluid-filled cushion seals that block outside noises. Shatterproof. 8-ft. cord. **Frequency Response:** 30-20,000 cps. **Impedance:** 4 to 16 ohms. Wt., 2 lbs.
71 D 020-G. *$5 Monthly*...44.10
71 D 043-G. PRO-600. Above, but 600 ohms. Wt., 2 lbs.........**49.00**
71 D 031-G. T-5 Headset Control. For connecting stereo phones to amplifier. Volume control for each ear, speaker on-off switch. Jacks for 2 headsets. 4-16 ohms. 5⅞x3⅛x2⅞". Shpg. wt., 1 lb................**8.95**

71 D 032-G. T-1 Hookup Box. Has transformers for matching SP-3X or SP-5SM to 600-10,000 ohms. 6¼x3¾x2". Shpg. wt. 8 oz.........**7.79**

Buy a Stereo Headset on Allied's Credit Fund Plan

ROBINS Record and Phono Care Accessories

ENGINEERED SOUND
STEREO & MONOPHONIC

ESK-3A Record Care Kit

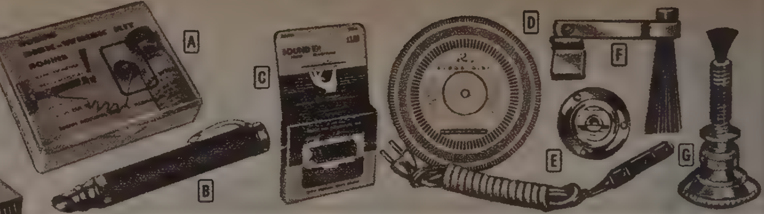
Deluxe kit helps you keep your records and needle in peak condition. Contains: stylus pressure gauge, stylus microscope, turntable level, record cleaning cloth, "Kleeneedle" brush, record brush and tone arm lift. Shpg. wt., 1 lb.
82 R 000........................**3.45**

RB-88 "Clean-Sweep" Brush

Genuine camel's hair brush that cleans entire tracking surface of up to 12" records with each revolution. Records and needle last longer. Mounts easily. 3 oz.
82 R 285........................**3.60**

JC-1S "Jockey Cloth"

(Not illus.) Silicone-treated cloth cleans and lubricates record grooves. Removes lint and dirt. Washable. 3 oz.
82 R 256....................Each **34¢**
3 for................................**90¢**



A **ESK-7 "DISK-WHISK" KIT.** Floating nylon brush and mohair cylinder with anti-static fluid. Clean and lubricate record as it plays. 8 oz.
82 R 250........................**2.40**

ESK-8 RENEWAL KIT. (Not illus.) Replacements for above kit. Contains bottle of anti-static fluid and 2 mohair cylinders. Shpg. wt., 3 oz.
82 R 251........................**1.20**

B **MX-1 STYLUS MICROSCOPE.** Pocket-type scope to check stylus for signs of wear. Adjustable focus. 3¾x½". 4 oz.
82 R 286........................**1.65**

C **ESK-2A SOUND KIT.** Excellent life insurance for your records. Includes stylus pressure gauge, turntable level and stylus microscope. Prevents record damage before it starts. 6 oz.
82 R 252........................**1.95**

D **ESK-5 STROBE-LIGHT KIT.** Tells in a jiffy whether your changer or turntable is rotating at proper speed. Includes neon lamp and strobe disc with bands for 16⅔, 33⅓, 45 and 78-rpm. For 110-120 v., 60 cycle AC. 6 oz.
82 R 014........................**1.20**

SD-4S "STROBE-DISC". (Not illus.) Tests for correct turntable speed (16⅔, 33⅓, 45 or 78 rpm) when used with neon or fluorescent light. Less light. 2 oz.
82 R 004........................**20¢**

E **TL-2R ROUND TURNTABLE LEVEL.** Great aid for keeping your turntable or changer perfectly level. Saves wear and tear on record grooves; assures best fidelity. Water bubble type. Wt., 3 oz.
82 R 255........................**1.50**

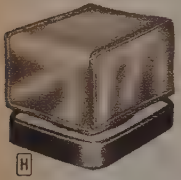
ESK-4 PHONO LEVELING KIT. (Not illus.) Contains 4 adjustable rubber feet and circular 4-way bubble level (similar to TL-2R, above). Keeps table perfectly balanced for best performance. Shpg. wt., 1 lb.
82 R 016........................**2.34**

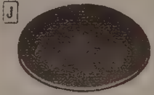
F **RB-75S CLIP-ON BRUSH.** Soft camel-hair brush that sweeps record ahead of stylus. Clips to tone arm. 3 oz.
82 R 007........................**29¢**

RBL-1 BRUSH AND ARM LIFT. (Not illus.) Clip-on nylon brush that doubles as convenient finger lift. Sweeps lint and dirt from needle's path. 3 oz.
82 R 254........................**60¢**

G **NB-1 "KLEENEEDLE" BRUSH.** Removes "dust blob" from needle each time it passes through brush when arm is cycled. Base has adhesive pad. 4 oz.
82 R 002........................**93¢**

TA-1 TONE ARM FINGER LIFT. (Not illus.) Clips on—lets you handle tone arm manually with far more accuracy. Helps prevent scratching records. 3 oz.
82 R 287........................**21¢**





Changer and Turntable Covers

H **CC-US RECORD CHANGER COVER.** Soft, durable plastic-cover that fits most record changers. Protects changer from harmful effects of dust, lint and moisture. 17x15x8¾". Wt., 6 oz.
82 R 017........................**1.17**
82 R 288. 12½x15x8". Wt., 7 oz.... **1.17**

CC-TUS TURNTABLE COVER. (As above.) Fits many turntables such as Empire, Fairchild, Rek-O-Kut and Garrard. Helps keep turntable looking and working like new. 22x16½x9". Shpg. wt., 6 oz.
82 R 018........................**1.50**
82 R 289. 17¼x17½x9". Wt., 6 oz.. **1.50**

J **PC-10 PHONO CUSHION—WITH STROBE DISC.** Polyester foam mat that softens fall of record during change cycle; absorbs vibration; prevents slippage. Fits virtually all changers and turntables—9¾" diameter. Has strobe disc attached to center, 33⅓, 45 and 78. 3 oz.
82 R 006........................**49¢**

K **PC-33 RIM-REST PHONO CUSHION.** Polyethylene cushion that never even touches the delicate grooves of your records! Graduated ridges at 7", 10" and 12" support records on their rims only. 12" diameter. Shpg. wt., 8 oz.
82 R 290........................**1.65**

L **E15-S PLASTIC RECORD COVERS.** Durable polyethylene sleeves for protection of 12" records in or out of cardboard jackets. Seal out dust and moisture; guard against scratches. **15 sleeves per package.** Shpg. wt., 7 oz.
82 R 001..................Per Pkg. **60¢**
3 Packages for.........................**1.69**

EJ-15 PLASTIC RECORD COVERS. (Not illus.) Square polyethylene covers to keep your 12" albums dust-free. **15 sleeves per package.** Shpg. wt., 7 oz.
82 R 291........................**60¢**

M **IP-16S ISOLATION PAD.** Fits under any hi-fi component. Minimizes acoustic feedback, reduces noise, protects furniture from heat. 12½x16". 12 oz.
82 R 009........................**1.00**

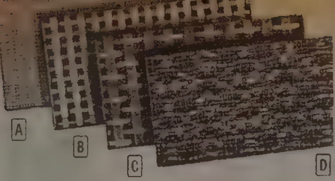
SA-55 45-RPM SPINDLE. (Not illus.) Fits most changers with straight spindles: Columbia, G.E., Motorola, Philco, RCA, Sylvania, Westinghouse, Zenith and others. Shpg. wt., 10 oz.
82 R 264........................**2.70**

RA-45 45-RPM RECORD INSERTS. (Not illus.) Snap-in plastic adapters that let you play 45's on a regular spindle. Shpg. wt., 4 oz. 5 per pkg.
82 R 292..................Per Pkg. **16¢**
3 Packages for.........................**44¢**

SA-45 45-RPM MANUAL SPINDLE ADAPTER. (Not illus.) Tapered plastic adapter for easy loading of 45's on regular spindle. 5 per pkg. Shpg. wt., 3 oz.
82 R 293..................Per Pkg. **15¢**
3 Packages for.........................**39¢**

N **RC-2-56 "NON-SLIP" FOR PHONO DRIVES.** Fast drying, tack-free and penetrating chemical compound that stops slippage of drive parts. Shpg. wt., 2 oz.
82 R 294........................**60¢**

RC-2-33 PHONO OIL. (Not illus.) Specially formulated lubricant. Stops rust and oxidation on moving phono parts. 2 oz.
82 R 295........................**45¢**



SOLAR Grille Cloths

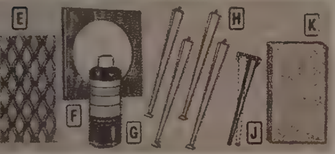
Minumum order, 1 yard. 15 oz. per yard.

A PANDANUS. Imported straw. 27″ wide.
82 RX 093-G. .... Per Yard **1.60**
82 RX 094-G. To 10½ yds. Per Yard **1.60**

B CANE. Natural on brown fabric. 36″ w.
82 RX 095-G. .... Per Yard **2.40**
82 RX 096-G. Over 1 yd.. Per Yard **2.40**

C CANE AND LUREX. Brown and tan, gold metallic thread. 36″ wide.
82 RX 097-G. .... Per Yard **2.95**
82 RX 098-G. Over 1 yd. Per Yard **2.95**

D LUREX. Brown and tan shades; gold, bronze Lurex metallic thread. 36″ wide.
82 RX 101-G. .... Per Yard **4.00**
82 RX 102-G. Over 1 yd. Per Yard **4.00**



E G-C Decorative Metal Grille

Brushed-brass finish. Diamond pattern. Av. shpg. wt., 4 lbs.
82 RX 090. 12x18″ **1.76**
82 RX 091. 18x24″ **3.23**
82 RX 092. 24x36″ **6.14**

F Speaker Reducer Rings

For mounting small speaker in larger cutout. ⅜″ plywood. With hardware.
82 RX 298. Model R/R 12/8. For mounting 8″ speaker in 12″ cutout. 1 lb...... **89¢**
82 RX 299. Model R/R 15/12. For mounting 12″ speaker in 15″ cutout. 1½ lbs. **1.19**

G Barzilay Walnut Finish

Liquid oiled-walnut furniture finish. Blend of 8 oil compounds. 40% "solids." 1 lb.
82 R 089. 8-oz. Bottle **1.95**

H Tapered Brass Leg Kits

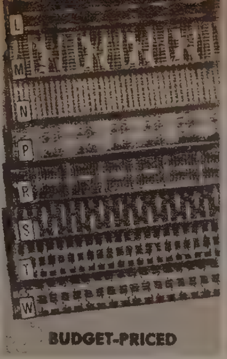
Set of four brass-finished legs. Supplied with mounting brackets and screws.
82 R 081. 4″-Leg Kit. 2 lbs.......... **2.49**
82 R 082. 6″-Leg Kit. 3 lbs.......... **2.79**
82 R 083. 12″-Leg Kit. 4 lbs........ **3.79**
82 R 084. 14″-Leg Kit. 5 lbs........ **4.19**

J Unfinished Wood Leg Kits

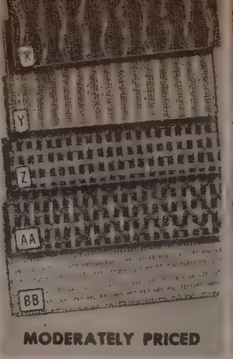
As above, but smoothly sanded, ready-to-finish hardwood legs.
82 R 085. 4″-Leg Kit. 1½ lbs....... **1.79**
82 R 086. 6″-Leg Kit. 1¾ lbs....... **2.09**
82 R 087. 12″-Leg Kit. 2½ lbs...... **2.49**
82 R 088. 14″-Leg Kit. 2¾ lbs...... **2.79**

K Acoustic Insulation

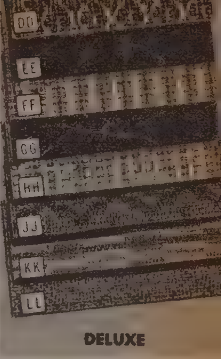
Foam rubber. ½x12x72″. Wt., 1½ lbs.
82 RX 262 .... **1.98**
82 RX 042. Above, but fiberglas.... **1.32**



BUDGET-PRICED



MODERATELY PRICED



DELUXE

ACOUSTONE Famous Grille Cloth

LABORATORY TESTED AND APPROVED

Popular Acoustone speaker grille cloth in highly attractive, color-fast patterns. Match virtually all types of decorative motifs. Made of highly durable Saran plastic in an open weave to permit unrestricted passage of all sound frequencies. Special construction plus professional weaving techniques—never sag or shrink. Shpg. wt., per yard, 15 oz.

Budget-Priced Grille Cloth

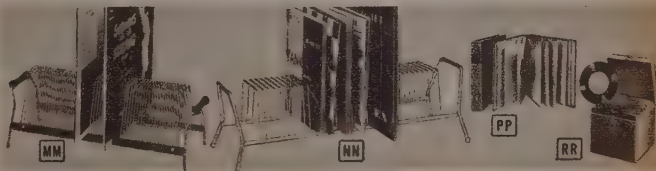
Description	Pattern No.	Fig.	Stock No.		PER YD.
			In Lengths Over 1 Yd.	36x36″	
Mahogany with Ivory Threads	211	L	82 RX 103-G	82 RX 104-G	2.39
Walnut, White and Gold	1908	M	82 RX 272-G	82 RX 273-G	
Natural Straw	8105	N	82 RX 274-G	82 RX 275-G	
Walnut with Bronze Threads	811	P	82 RX 115-G	82 RX 116-G	
Gold and Bronze	213	R	82 RX 117-G	82 RX 119-G	2.39
Natural and Walnut Cane	2416	S	82 RX 307-G	82 RX 308-G	
Natural Cane	2412	T	82 RX 305-G	82 RX 306-G	
Natural and White Cane	2404	W	82 RX 303-G	82 RX 304-G	

Moderately Priced Grille Cloth

Description	Pattern No.	Fig.	In Lengths Over 1 Yd.	36x36″	PER YD.
Beige with Metallic Gold	711M	X	82 RX 122-G	82 RX 123-G	3.29
Mahogany, Beige with Metallic Gold	3257	Y	82 RX 131-G	82 RX 132-G	
Beige w/Gold & White Metallic Thread	831	Z	82 RX 133-G	82 RX 134-G	
Natural Cane with Gold Metal	2420	AA	82 RX 311-G	82 RX 312-G	
Natural & Walnut Cane w/Gold Metal	2422	AA	82 RX 313-G	82 RX 314-G	
White Straw Weave	680	BB	82 RX 309-G	82 RX 310-G	

Deluxe Grille Cloth

Description	Pattern No.	Fig.	In Lengths Over 1 Yd.	36x36″	PER YD.
Walnut, Beige, Metallic Threads	4440	DD	82 RX 282-G	82 RX 283-G	3.95
Black with Gold Cobweb	453	EE	82 RX 148-G	82 RX 149-G	
Beige Linen Weave, Gold Metal	814BM	FF	82 RX 150-G	82 RX 151-G	
Dark Mahogany with Gold Cobweb	300	GG	82 RX 152-G	82 RX 153-G	
Beige, White and Tan w/Gold Metal	7104	HH	82 RX 154-G	82 RX 155-G	3.95
Walnut Tapestry Weave w/Gold Metal	3743	JJ	82 RX 315-G	82 RX 316-G	
Walnut & Beige Ladder w/Gold Metal	3785	KK	82 RX 317-G	82 RX 318-G	
Mahog. & Beige Diamond w/Gold Metal	3789	LL	82 RX 319-G	82 RX 320-G	



Popular Record Storage Racks, Albums and Cases

MM DELUXE RECORD RACK. Holds 60 jacketed 12″ LP's. Brass-plated. Walnut trim and walnut carry handles. Plastic feet. 13x8x7″. Shpg. wt., 4 lbs.
82 RX 227-G. **3.98**

NN RECORD CADDY. Stores over 75 12-in. LP's in jackets. Gleaming brass. Sturdy handles. 17″ long. Protective ball feet. 4¾x16x6⅛″. Shpg. wt., 5 lbs.
82 RX 049-G **1.98**

PP DELUXE 12″ RECORD ALBUM. 12 bound Kraft paper envelopes. Inside-cover index. Fabrikoid cover. 5 lbs.
82 RX 024-G .... Each **1.75**
3 or More .... Each **1.49**

7″ RECORD ALBUM. Same as 12″ album, below left, but for 7″ (45-rpm) records. No index. Shpg. wt., 12 oz.
82 R 025-G. .... Each **1.15**
3 or More .... Each **99¢**

RR 12″ FIBERBOARD CASE. Holds thirty 12″ records, and has convenient number-index separators. Made of sturdy fiberboard. In luggage tan, with white top. Shpg. wt., 3½ lbs.
82 RX 225-G **2.95**

7″ FIBERBOARD CASE. Above. Holds 75—7″ records. 7¾x8x7½″. 1 lb.
82 RX 226-G **1.95**

Selected Furniture for the Music Room

In Mahogany or Walnut Finish

Also Available in Early American

Versatile Model 955 Multi-Purpose Cabinet

$19.95 $5 monthly

- 40″ Wide—Holds Up To 400 Records
- Also Supports a TV Set or Phonograph
- Choice of Decorator Styles and Finishes

Big in size . . . beautiful in styling . . . tops in value! Features the graceful lines of modern low-boy design, 4 sliding doors for easy access, sturdy hardwood and hardboard construction, and a full 40″ length. Stores up to 400 records in its huge 4-door compartment—also serves as a TV or phono table, bookcase, room divider, filing cabinet. With stylish tapered legs and period-matched brass-finished hardware on doors. Overall size, 26x40x17″. Choice of mahogany or walnut—**specify finish.** Shipped knocked down—easy to assemble in a short while. Shpg. wt., 30 lbs. Shipped express only.

97 DU 101C-G. Specify Finish. *$5 Monthly*..............19.95

MODEL 958. Above, but Early American. Maple finish, period-matched brass-finished hardware. Knocked down. 30 lbs. Express.

97 DU 102C-G. *$5 Monthly*..............**19.95**

Universal Model 90 **$11.50**

Rockford Model 112 **$42.95**

Universal Model 90 Record Cabinet

Smartly designed all-purpose cabinet that blends with any modern or contemporary decorative scheme. Sturdily constructed to support a portable or table model TV set or phonograph. Roomy storage compartment, with sliding door access, accommodates up to 200 LP records. With stylish 6″ tapered legs, gleaming brass hardware and ferrules. Record compartment size, 20x15x13″; overall, 22x17x21″. Finished in maple, mahogany, or walnut—**specify choice.** Shipped knocked down, ready for easy assembly. Shpg. wt., 18 lbs.

97 DX 103C-G. Specify Finish..............11.50

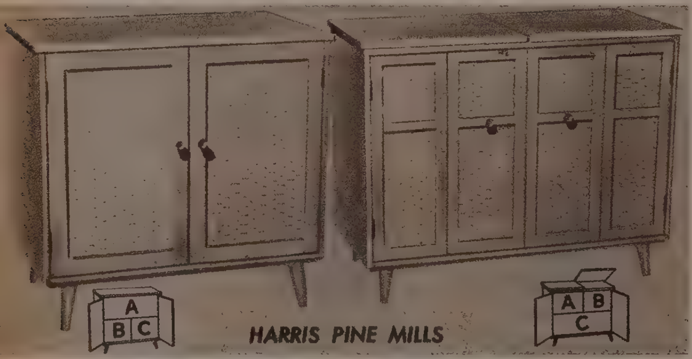
Rockford Model 112 Speaker Enclosure

Eye-appealing, acoustically lined floor enclosure for any 12″ speaker. Also accommodates any size tweeter. Semi back-loaded resonator design is expertly combined with smart construction into a compact floor speaker enclosure. Beautifully finished in hand-rubbed genuine veneers on all four sides; acoustically-transparent plastic cane grille cloth. Size, 24x16x13½″. In choice of mahogany or oiled walnut finish—**specify choice.** Shpg. wt., 35 lbs. Shipped express.

97 DZ 073C-G. Specify Finish. *$5 Monthly*..........42.95

MODEL 212 SHELF ENCLOSURE. Same as above, but for placement on shelves or tables. A compact 14¾x24x12″. Mahogany or walnut finish—**specify.** 26 lbs. Express.

97 DZ 074C-G. Specify Finish. *$5 Monthly*..........29.95



$9.95 Holds Phono and Over 100 Records

Model 142 Stereo Cabinet

Expertly crafted unfinished cabinet provides an attractive housing for your stereo components and records. Doors open to reveal full length upper compartment and divided lower compartment. Size: compartment A, 10x29x15⅞″; B and C each, 13x14x15⅞″; overall, 30x30x18″, including 6″ legs. Sanded and ready to finish. Shpg. wt., 37 lbs. Shipped express.

97 DZ 139-G..................17.65

97 DZ 137-G Model 145. Above, but 6″ wider. Has folding doors, two full-width compartments. Upper, 10x35″; lower, 13x35″; overall, 30x36x18″. 41 lbs..........**21.85**

Model 148 Equipment Cabinet

Beautifully constructed cabinet comes to you already sanded and prepared for finishing or painting. Expertly made of high grade Ponderosa Pine, provides an attractive housing for all your stereo components and records. Top right section lifts for access to roomy changer compartment. Folding doors with "basket-weave" centers open revealing storage space for records, accessories and components. Size: Compartment A and B each, 15¼x17x15⅞″; C, 13⅜x34½x15⅞″; overall, 30x36x18″, including 6″ legs. 42 lbs. Shipped Express.

97 DZ 138-G. *$5 Monthly*......22.60

Speco 221 Record Rack

Having trouble moving your phonograph and your favorite records from place to place around your home? This lightweight, mobile combination phonograph stand and record rack lets you do it in one convenient operation. Features a pleasingly styled, weave-pattern hardboard top with bright brass-plated record rack and legs. Its modern, casual design makes it a perfect addition to any patio or recreation room. Sturdy 14x21″ shelf; spacious record rack holds over 100 records. Overall, 21x21x14″ Easy-roll casters. 14 lbs.

97 DX 134-G...................9.95

Buy Hi-Fi Furniture on Allied's Credit Fund Plan

Contemporary Hi-Fi Cabinetry by BARZILAY

Barzilay cabinetry is famous for its California-inspired styling and expert acoustical engineering. Features choice American Black Walnut woods. Available in money-saving ready-to-finish kit form, or assembled and finished in oiled walnut. All that's needed to assemble kits is a screwdriver. All sections are preassembled with precision-fit connectors. Materials to produce a rich oiled-walnut finish are included. Illustrated instructions take you step-by-step through a simple assembling procedure.

"Design One" 3-Piece Stereo Ensemble Kit

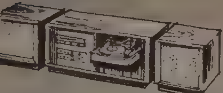
Equipment cabinet has full-length lift-top that reveals electronics, turntable and tape deck. Has provision for alternate front-mounting of tuner and amplifier. Bottom section offers storage space almost 5 feet wide. Top center section, 18¼" w., 15½" d. Top left and right sections, 17⅞" w., 15½" d. Front left and right sections, 17⅞" w., 13" h. Front center section, 18¼" w., 23" high. Overall, 28¾x57x18½". Ported reflex speaker enclosures take 12" or 15" speakers. Each, 28¾x19x18½". Ensemble tops are cut from one piece. Entire ensemble, 28¾x95x18½". 250 lbs. All units are shipped express or truck from Gardena, Calif. No C.O.D. orders. Please allow 3 weeks for delivery.

F97 DZ 026-G. Design I Ensemble in Kit Form	249.50
F97 DZ 025-G. Model 100E. Assembled and Finished Ensemble	**349.50**
F97 DZ 001-G. K61 Equipment Cabinet Kit. 150 lbs.	**149.95**
F97 DZ 003-G. 161 Assembled and Finished Equipment Cabinet	**199.95**
F97 DZ 002-G. K62 Speaker Enclosure Kits. Pairs Only. 103 lbs. Per Pr.	**101.00**
F97 DZ 004-G. 162 Assembled, Finished Enclosures. Pairs Only....Pr.	**149.95**

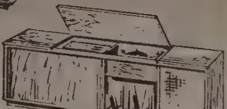
Model 100E assembled and finished ensemble in open view—can be separated

◀ **Assembled and finished "Design 5" Kit (Model 700E)—its 3 pieces can be separated**

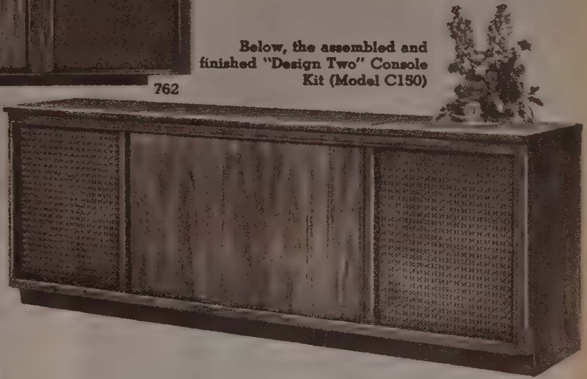
Below, the assembled and finished "Design Two" Console Kit (Model C150)



Open view of the 700E 3-Piece Ensemble



Open View of the C150 Console Unit



NEW "Design 5" 3-Piece Stereo Ensemble Kit

Features decor-enhancing style and precise acoustical design. Equipment cabinet has preassembled tambour doors providing access to pull-out turntable drawer (20" wide, 15" deep) and section for amplifier and tuner (20"w.x24½"h.). Special "knockout" panel permits front mounting of components, with remaining area below, for storage. Ported reflex enclosures are each 29"h.x24"w.x19"d. Accept 12" or 15" speakers. Ensemble tops cut from one piece. Entire ensemble, 29"h.x96"w.x19"d. 260 lbs. Shipped express or truck from Gardena, Calif. No C.O.D. orders.

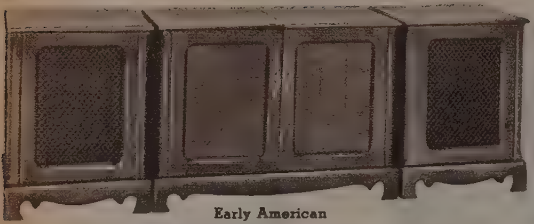
F97 DZ 005-G. "Design 5" Ensemble in Kit Form	214.50
F97 DZ 006-G. 700E Assembled and Finished Ensemble	**345.00**
F97 DZ 007-G. K71 Equipment Cabinet Kit. 120 lbs.	**121.50**
F97 DZ 010-G. 761 Assembled and Finished Equipment Cabinet	**199.50**
F97 DZ 008-G. K-72 Speaker Enclosure Kits. Available in pairs only. Shpg. wt., 140 lbs.	Per Pair **94.50**
F97 DZ 009-G. 762 Assembled and Finished Speaker Enclosures. Available in pairs only. Shpg. wt., 130 lbs.	Per Pair **158.50**

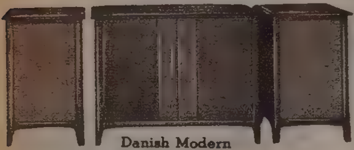
"Design Two" Stereo Console Kit

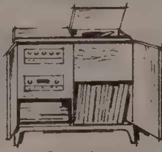
An enduringly styled, one-piece console with hinged lift-top offering finger-pressure access to turntable and components. Has provision for alternate mounting of tuner and amplifier on front panel. Front door slides both ways to reveal storage area for up to 275 LP records. Expertly designed ported reflex speaker enclosures accept 12" or 15" speakers. Have attractive hardboard grillework. Can take prepackaged speaker systems without introducing acoustical feedback. Turntable and component sections are 18¼" wide, 23" high. Overall console size, 28" high, 81" wide (for excellent channel separation), 18½" deep. 220 lbs. Express or truck from Gardena, Calif. No C.O.D. orders.

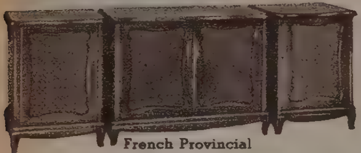
F97 DZ 012-G. Console in Kit Form	184.50
F97 DZ 011-G. C150 Assembled, Finished	**279.50**

Gamber-Johnson Cabinetry


Early American


Danish Modern


Open View of "Ovation"


French Provincial

Lower left storage space can be enlarged by adjusting shelves above. Upper right section has adjustable motorboard for changer or turntable.

"Ovation" Component Cabinetry

Constructed of ¾" and 1" plywood with genuine hardwood veneers *inside and out*. Front-accessible upper left section (for tuner and amplifier) has two adjustable vented shelves. 14" high, 17¾" wide, 14" deep behind panels, plus 2" knob clearance. Lift-top upper right section for turntable is 9½" high, 17¾" wide, 14¾" deep. Lower left storage area is 5x17¾x16¼" deep. Lower right holds 100 LP records. Bass-reflex enclosures have tuned ports. Accept 15" or 12" speaker, plus tweeter. **No C.O.D. orders—see shipping note at bottom of page.**

EARLY AMERICAN 3-PIECE ENSEMBLE. Finished in Harvest Maple. Outer dimensions: equipment cabinet, 29x39x18¾" deep; each enclosure, 29x21½x18¼" deep. 194 lbs.
F97 DZ 050-G. *$12 Monthly*.................239.95

GJ-724 EQUIPMENT CABINET. Shpg. wt., 102 lbs.
F97 DZ 048-G. *$6 Monthly*.................**117.95**

GJ-722 SPEAKER ENCLOSURE. Shpg. wt., 46 lbs.
F97 DZ 049-G. *$5 Monthly*.................**Each 62.50**

DANISH MODERN 3-PIECE ENSEMBLE: Genuine oiled-walnut veneer. Outer dimensions: cabinet, 29¾x39¾x18¼" deep; each enclosure, 29¾x20x18¼" d. Wt., 180 lbs.
F97 DZ 053-G. *$12 Monthly*.................234.50

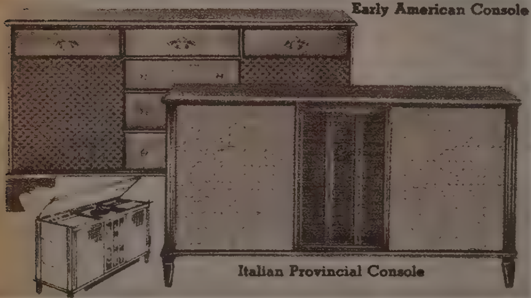
GJ-734 EQUIPMENT CABINET. Shpg. wt., 96 lbs.
F97 DZ 051-G. *$6 Monthly*.................**114.95**

GJ-732 SPEAKER ENCLOSURE. Shpg. wt., 42 lbs.
F97 DZ 052-G. *$5 Monthly*.................**Each 59.95**

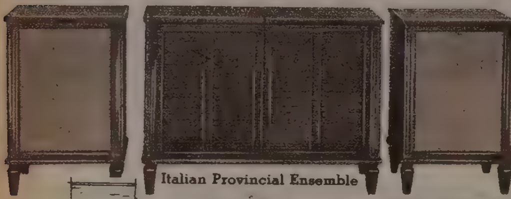
FRENCH PROVINCIAL 3-PIECE ENSEMBLE. In Normandy Cherry. Outer dimensions: equipment cabinet, 30¾x39¾x19" deep; each enclosure, 30¾x22¼x19" deep. 200 lbs.
F97 DZ 045-G. *$15 Monthly*.................284.95

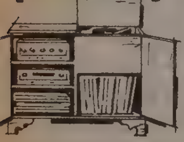
GJ-744 EQUIPMENT CABINET. Shpg. wt., 108 lbs.
F97 DZ 046-G. *$8 Monthly*.................**147.50**

GJ-742 SPEAKER ENCLOSURE. Shpg. wt., 46 lbs.
F97 DZ 047-G. *$5 Monthly*.................**Each 71.50**

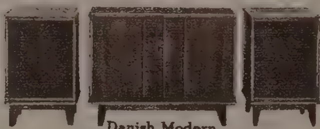

Early American Console

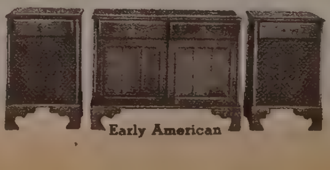
Italian Provincial Console


Italian Provincial Ensemble


Open view of "Encore"

Matching finish guaranteed only when units are ordered *Together*.


Danish Modern


Early American

"Encore" Component Cabinetry

¾" plywood and particle board cores. **ENSEMBLES.** Lift-top-access changer section (upper right), 17⅝x14", with 6" above, 3" below motorboard. Space below holds 100 LP's. Front-access upper left (tuner, amplifier, storage), 21¾x17⅝x16". 2 adjustable shelves. Ducted-port enclosures for 12" or 8" speakers. **CONSOLES:** Lift-top access. Changer section, 17½x15⅛", with 6" above motorboard. Takes amplifier and tuner up to 6¼x17½x20" each. Ducted-port enclosures for 12 or 8" speakers. **No C.O.D. orders—see shipping note at bottom of page.**

GJ-776 EARLY AMERICAN CONSOLE. Harvest Maple veneer. Outer dimensions: 30⅜x56½x18" d. 174 lbs.
F97 DZ 054-G. *$8 Monthly*.................156.95

GJ-766 ITALIAN PROVINCIAL CONSOLE. Antique mahogany. Outer dimensions: 30⅜x56½x18" d. 175 lbs.
F97 DZ 055-G. *$8 Monthly*.................156.95

ITALIAN PROVINCIAL 3-PIECE ENSEMBLE. Antique mahogany veneer. Outer dimensions: equipment cabinet, 28½x38¼x16⅜" d.; each enclosure, 28½x18½x16⅜" d. 197 lbs.
F97 DZ 056-G. *$9 Monthly*.................179.98

GJ-764 EQUIPMENT CABINET. Shpg. wt., 91 lbs.
F97 DZ 058-G. *$5 Monthly*.................**89.97**

GJ-762 SPEAKER ENCLOSURE. Shpg. wt., 53 lbs.
F97 DZ 057-G. *$5 Monthly*.................**Each 46.50**

DANISH MODERN 3-PIECE ENSEMBLE. Genuine walnut veneer. Outer dimensions: equipment cabinet, 28½x38¼x16⅜" d.; each enclosure, 28½x18½x16⅜"d. 204 lbs.
F97 DZ 059-G. *$9 Monthly*.................179.98

GJ-784 EQUIPMENT CABINET. Shpg. wt., 98 lbs.
F97 DZ 060-G. *$5 Monthly*.................**89.97**

GJ-782 SPEAKER ENCLOSURE. Shpg. wt., 53 lbs.
F97 DZ 061-G. *$5 Monthly*.................**Each 46.50**

EARLY AMERICAN 3-PIECE ENSEMBLE. Harvest Maple veneer. Outer dimensions: equipment cabinet, 28½x38¼x16⅜" d.; each enclosure, 28½x18½x16⅜"d. 199 lbs.
F97 DZ 062-G. *$9 Monthly*.................179.98

GJ-774 EQUIPMENT CABINET. Shpg. wt., 93 lbs.
F97 DZ 063-G. *$5 Monthly*.................**89.97**

GJ-772 SPEAKER ENCLOSURE. Shpg. wt., 53 lbs.
F97 DZ 064-G. *$5 Monthly*.................**Each 46.50**

SHIPPING NOTE: All Gamber-Johnson furniture on this page is shipped express or truck from Stevens Point, Wisconsin.

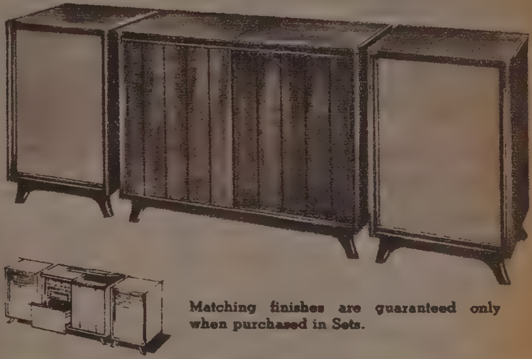
Fine Acoustical Cabinetry by ROCKFORD

Contemporary 3-Piece Ensemble

Distinguished 500-B equipment cabinet has lift-top compartment (16⅝x19⅜x6"d.) for turntable, changer or tape deck. Compartment (13⅜"h. 18⅜"w.), with adjustable shelf and blank panel, houses tuner and amplifier. Slide-out drawer also takes turntable, changer or deck. Other section stores 150 12-in. LP's. Sliding doors. ¾" panels. Overall, 32½x20x19½"d. Each ported 501-B enclosure takes up to 15" speaker, plus tweeter. Fiberglass lined. Mahogany, blonde or oiled walnut—**specify**. 226 lbs.
F97 DZ 079C-G. *$15 Monthly*..............289.75

500-B EQUIPMENT CABINET. Shpg. wt., 118 lbs.
F97DZ080C-G. Specify finish..................**149.95**

501-B SPEAKER ENCLOSURE. Shpg. wt., 54 lbs.
F97 DZ 081C-G. Specify finish...........**Each 71.50**



Matching finishes are guaranteed only when purchased in Sets.

ITALIAN PROVINCIAL 3-PIECE ENSEMBLE. 600 cabinet has top-loading phono compartment, 14⅝x17¼x6"d. Upper left (17⅝"w., 14½"h.) for tuner and amplifier, has adjustable shelf and blank panel. Lower right holds 100 LP records. Lower left for general storage. Hinged doors, magnetic latches. Overall, 27¼x38x17"d. Each 601 enclosure (27¼x17x17"d.) is ported, fiberglass-lined, and takes up to 12" speaker. ¾" panels. Fruitwood or oiled-walnut—**specify**. 146 lbs.
F97 DZ 088C-G. *$12 Monthly*...................229.50

600 EQUIPMENT CABINET. Shpg. wt., 76 lbs.
F97 DZ 085C-G. Specify finish...................**117.50**

601 SPEAKER ENCLOSURE. Shpg. wt., 36 lbs.
F97 DZ 086C-G. Specify finish..................**Each 60.00**

DANISH MODERN 3-PIECE FNSEMBLE. 700 cabinet has lift-top phono compartment, 14⅝x17¼x6"d. Upper left (17⅝w., 14½" h.) for custom or shelf-mounting tuner and amplifier. Lower right holds 100 LP records. Lower left for general storage. Hinged doors, magnetic latches. ¾" panels. Overall, 28¼x38¼x17¾". Each ported, fibreglass-lined 701 inclosure (28¼x17¾x17") takes speaker up to 12". Oiled walnut. Wt., 160 lbs.
F97 DZ 082G. *$13 Monthly*...................248.50

700 EQUIPMENT CABINET. Shpg. wt., 80 lbs.
F97 DZ 083-G. *$7 Monthly*....................**129.00**

701 SPEAKER ENCLOSURE. Shpg. wt., 39 lbs.
F97 DZ 087-G. *$5 Monthly*..................**Each 64.75**

EARLY AMERICAN 3-PIECE ENSEMBLE. 810 cabinet has lift-top upper right (14⅝x17¼x6"d.) for changer. Lower right holds 100 LP records. Upper left (17⅝"w., 14½"h.) houses amplifier and tuner—has adjustable shelf and blank panel. Lower left for general storage. Hinged doors, magnetic latches. ¾" panels. Overall, 27½x38¾x17¼"d. Each 811 enclosure (27½x17½x17¼"d.) takes up to 12" speaker. Ported, lined with 1" fibreglass. Finished in forest-tone maple. Wt., 157 lbs.
F97 DZ 077-G. *$14 Monthly*...................264.00

810 EQUIPMENT CABINET. Shpg. wt., 79 lbs.
F97 DZ 075-G. *$7 Monthly*...................134.50

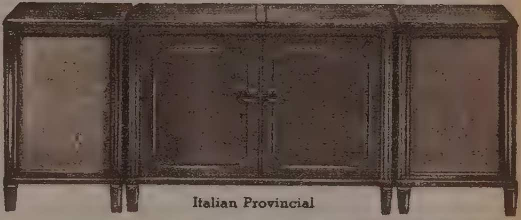
811 SPEAKER ENCLOSURE. Shpg. wt., 39 lbs.
F97 DZ 076-G. *$5 Monthly*..................**Each 67.50**

Record Storage Cabinets

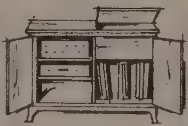
510L RECORD CABINET. Functional styling at its best. Sliding doors glide open to reveal storage space for 200 LP records. Can be used as floor unit, or decoratively mounted on wall. Outside dimensions: 22" high (including 6" legs), 40¾" wide, 16½" deep. Inside: 13½x38½x14¼" deep. Mahogany, blonde, or oiled walnut—**specify**. Wt., 54 lbs.
F97 DZ 072C-G. *$5 Monthly*...................66.75

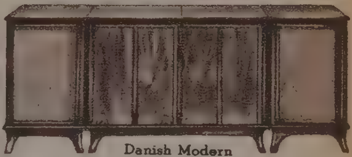
520 RECORD CABINET. Extraordinarily versatile. Hinged door swings down to open lower compartment for 150 LP records. Lift-top reveals upper compartment for 150 more records in brown-box style . . . or may be used for modest-sized changer and amplifier storage. Upper compartment, 6 to 13" (adjustable)x20x18" deep; lower, 13x20x18" deep; overall, 32½x22x19½" deep. Mahog., blonde, oiled walnut—**specify**. 60 lbs.
F97 DZ 071C-G. *$5 Monthly*...................74.75

SHIPPING NOTE: All Rockford furniture on this page shipped express or truck from Rockford, Illinois. No C.O.D. orders.



Italian Provincial

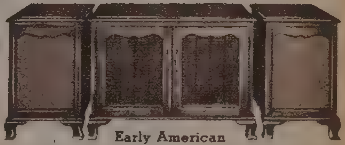




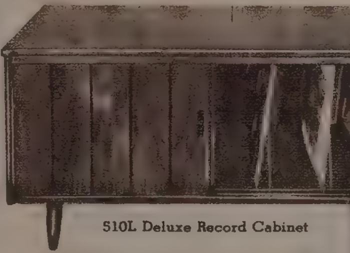
Danish Modern

Open View of 600, 700, and 810 Equipment Cabinets

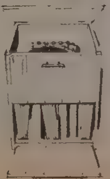
Matching finishes guaranteed only when bought in Sets

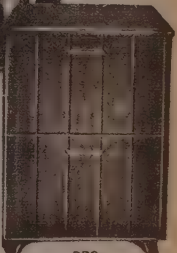


Early American



510L Deluxe Record Cabinet





520

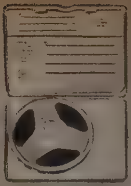
- Lower Components for 150 Records
- Upper Compartment for Hi-Fi Components or Records
- Holds 150-300 LP Records
- Choice of Three Finishes

Scotch
magnetic tape
ALL PURPOSE

Scotch Recording Tapes and Accessories

Silicone Lubricated to Reduce Head Wear and Extend Tape Life

"Living Letters" . . You Can Talk to Friends Anywhere . . by Mail



111 Standard 1½-Mil Acetate Tape

High-quality general-purpose recording tape. Molded plastic reels, except *NAB-Type aluminum with 3" center hole. Av. wt., 8 oz.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
80 R 542	111-1.5	150'	3"	.46	.41
80 R 543	111-3	300'	4"	.88	.79
80 R 547	111-6	600'	5"	1.47	1.32
80 R 548	111-12	1200'	7"	2.29	2.06
80 R 549	111-25R*	2500'	10½"	7.06	6.35

120-12 High-Output 1½-Mil Acetate Tape

Offers 7 db higher output than standard tapes. Provides greater dynamic range and freedom from distortion on signal peaks. 1200 feet. On plastic 7" reel. Shpg. wt., 12 oz.
80 R 554. 12-Up.....**Each 2.06** 1-11............**Each 2.29**

131 Low-Print 1½-Mil Acetate Tape

6 db higher signal-to-print ratio than conventional tapes. Oxide coating of .40 mil protects tapes from layer-to-layer signal print during long periods of storage. *NAB reel. Av. wt., 12 oz.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
80 R 534	131-12	1200'	7"	2.88	2.59
80 R 540	131-25R*	2500'	10½"	7.98	7.17

150 Extra-Play 1-Mil Polyester Tape

50% more playing time plus extra-strong polyester base. Plastic reels, except *NAB aluminum with 3" center hole. Av. wt., 12 oz.

80 R 531	150-9	900'	5"	2.35	2.12
80 R 532	150-18	1800'	7"	4.04	3.65
80 R 533	150-36R*	3600'	10½"	9.41	8.47

190 Extra-Play 1-Mil Acetate Tape

50% more playing time, at an economy price. Plastic reels, except *NAB-type aluminum reel with 3" center hole. Av., 12 oz.

80 R 550	190-9	900'	5"	2.29	2.06
80 R 552	190-18	1800'	7"	3.60	3.23
80 R 553	190-36R*	3600'	10½"	8.40	7.56

200 Double-Play ½-Mil Polyester Tensilized Tape

100% more playing time. Super-strong and stretchproof. Plastic reels. Av. shpg. wt., 12 oz.

80 R 500	200-12	1200'	5"	3.56	3.21
80 R 541	200-24	2400'	7"	6.20	5.58

175 Heavy-Duty 1½-Mil "Tenzar"

Features same wear-resistant, high potency oxide coating used in more critical recording applications. Resists heat, minimizes oxide rub-off despite continuous use. Won't dry out in storage or absorb moisture; won't pop or tear if edges become nicked. Lasts at least 15 times longer than ordinary tapes. 5" reels are 600'; 7" reels, 1200'. 10 oz.

Size	Clear	Red	Blue	Green	Yellow	EACH	
						1-11	12-Up
5"	80 R 527	80 R 506	80 R 509	80 R 517	80 R 518	1.60	1.44
7"	80 R 528	80 R 520	80 R 522	80 R 523	80 R 525	2.50	2.25

151-17H.D. Lubricated 1-Mil Polyester Tape

Heavy-duty. For continuous-loop cartridges. Externally lubricated on backing side. Black oxide. 1700'. 7" reel. 10 oz.
80 R 524. 12-Up......**Each 6.23** 1-11...........**Each 6.93**

New Type 201 and 203 Low-Noise Tapes

Offers low noise level, good high-frequency response, long wear and low ruboff. Superior signal-to-noise ratio ideal for transcribing from tape-to-tape or tape-to-disc. 7" reels. Wt., 1 lb.

Stock No.	Type	Base	Footage	1-11, EA.	12-Up, EA.
80 R 504	201-12	1½-mil Acetate	1200'	2.87	2.59
80 R 505	203-18	1-mil Polyester	1800'	4.80	4.32

New "Living Letters" Mailer with Reel of Tape

Just write on address, apply postage and drop in mail. 1-piece molded plastic mailer has hinge and snap-closer. *Tensilized. 4 oz.

Stock No.	Mfr's Type	Base	Footage	EACH	
				1-11	12-Up
80 R 300	111-¼-150-LL	1½-mil Acetate	150'	.67	.57
80 R 301	200-¼-300-LL	½-mil Polyester*	300'	1.25	1.19
80 R 302	290-¼-600-LL	½-mil Polyester*	600'	1.99	1.89
80 R 303	MT-MAILER-LL	Mailer w/empty 3" reel		.31	.30

290 Triple-Length ½-Mil Polyester Tensilized Tape

Get maximum playing time per reel size. 7" reels play 3 hours of stereo at 7½ ips. Wt., 5" reel, 8 oz.; 7" reel, 1½ lbs.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
80 R 544	290-6	600'	3"	1.93	1.73
80 R 304	290-18	1800'	5"	4.54	4.07
80 R 545	290-36	3600'	7"	7.81	7.03

Empty Plastic Reels with Index Box

Standard reels in most frequently used sizes. Av. wt., 4 oz.

Stock No.	Reel Size	1-11, EACH	12-Up, EACH
80 R 559	3"	17¢	15¢
80 R 563	4"	37¢	33¢
80 R 558	5"	44¢	39¢
80 R 556	7"	50¢	45¢

Taping Accessories

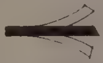
TYPE 24 LEADER & TIMING TAPE. 100'. 80 R 569 is white; 80 R 568, yellow. Dispenser pkg. 3 oz.
80 R 569. 12 Up........**Each 53¢** 1-11............**Each 59¢**
80 R 568. 12-Up........**Each 53¢** 1-11............**Each 59¢**

TYPE 21-10 LEADER TAPE. White. 1000'. 7" reel. 8 oz.
80 R 546. 12 Up........**Each 2.70** 1-11..........**Each 3.00**

80 R 596. 8000 QUICK-LOAD CARTRIDGE. 560'. High-potency oxide for cartridge players. 9 oz........................**Each 2.94**

80 R 557. 41½-S SPLICING TAPE. Non-run adhesive on one side. ½x150". Dispenser pkg. 3 oz...........................**Each 34¢**

80 R 577. 51-7/32 S ALUMINIZED SENSING TAPE. For recorders with automatic "stop" and "reverse" controls. Adhesive on one side, foil on other. 150". Dispenser pkg. 3 oz..............**Each 1.89**



282 "Sandwich" Tape 1½-Mil Polyester

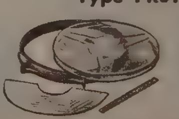
Provides faithful sound reproduction. Features protective, micro-thin plastic shield over oxide coating. Eliminates rub-off. Wears up to *30 times longer*. Reduces recorder maintenance and head wear. With tape clip. 5" reel, 600'; 7", 1200'. Av. wt., 10 oz.

Size	Reel Color					EACH	
	Clear	Red	Blue	Green	Yellow	1-11	12-Up
5"	80 R 578	80 R 579	80 R 580	80 R 581	80 R 582	2.03	1.82
7"	80 R 583	80 R 586	80 R 587	80 R 589	80 R 590	3.23	2.91

Type 270 (M-2) Tape Cartridge

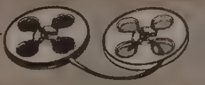
Designed for 3M-Revere cartridge system. Contains 560'—playing time, 64 minutes. 3 oz.
80 R 311. 12 Up..**Ea. 3.79** 1-11....**Ea. 3.99**

Type PRST-7 Self-Threading Tape Reel



Eliminates tedious reel threading—lets your recorder do the work! 7" clear plastic, self-threading reel speeds up tape changing. Just place tape end on reel hub and let your tape recorder do the rest. Shpg. wt., 8 oz.
80 R 014. 12 Up..**Ea. 88¢** 1-11..**Ea. 98¢**

audiotape



Audiotapes use Famous C-Slot Reel for Faster, Easier Threading

audiotape
audiotape
audiotape

"Longer-Recording" 1-Mil "Mylar" Tape

50% more recording time than standard tape—stronger, too. In self-mailer carton. *NAB aluminum reel. Av. shpg. wt., 12 oz.

Stock No.	Type	Footage	Reel	Each	Lot Price
80 R 700	261	225′	3″	.66	.59†
80 R 701	961	900′	5″	2.35	2.12†
80 R 702	1861	1800′	7″	4.05	3.65†
80 R 703	3661R*	3600′	10½″	9.41	8.47‡

†EACH, 10 or more. ‡EACH, 5 or more.

Low-Print Professional Master Recording Tape

Resists layer-to-layer signal transfer. Provides maximum fidelity. freedom from noise and distortion, and uniformity. *1½-mil acetate; †1½-mil super-durable "Mylar." Shpg. wt., 12 oz.

Stock No.	Type	Footage	Reel	1-9, EA.	10-Up, EA.
80 R 608	1251-M*	1200′	7″	2.80	2.53
80 R 609	1271M†	1200′	7″	3.33	3.00

Tempered ½-Mil "Mylar" Double-Recording Tape

Twice as much time per reel and twice as strong as other double-length tapes. Will not stretch or dry out. Av. wt., 8 oz.

Stock No.	Type	Reel	Length	1-9, EA.	10-Up, EA.
80 R 619	1231T	5″	1200′	3.56	3.20
80 R 622	2431T	7″	2400′	6.20	5.59

Standard 1½-Mil Acetate Plastic Base Tape

General-purpose recording tape known world-wide for excellent performance abilities and consistent quality. On plastic "C-Slot" reels. Av. shpg. wt., 8 oz

Stock No.	Type	Footage	Reel	1-4, EA.	5-Up, EA.
80 R 637	651	600′	5″	1.47	1.32
80 R 627	1251	1200′	7″	2.29	2.06

MAIL BOXES. All are corrugated except *. Ready for mailing.

Stock No.	Type	For Reels	Oz.	1-11, EA.	12-Up, EA.
80 R 602	3MB*	3″	3	10¢	9¢
80 R 613	5M	5″	4	10¢	9¢
80 R 614	7M	7″	4	14¢	13¢
80 R 615	10M	10½″	8	22¢	20¢

TAPE RECORDER REELS. 10½″. With box. *3″ center. Wt. 8 oz.

Stock No.	Type	Description	1-4, EA.	5-Up, EA.
80 R 630	10RB	NAB aluminum*	2.62	2.35
80 R 704	10FS	Fiberglas, EIA adapterless 5/16″ center		

COLORED EMPTY PLASTIC REELS. Supplied in boxes. 4 oz.

Reel Size	Stock No.					EACH	
	Clear	Red	Yellow	Green	Blue	1-9	10-Up
5″	80 R 695	80 R 655	80 R 663	80 R 669	80 R 671	39¢	35¢
7″	80 R 685	80 R 657	80 R 667	80 R 670	80 R 674	49¢	44¢

Red Seal Tapes by RCA

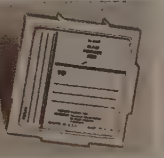
"THE MOST TRUSTED NAME IN SOUND"

Used by recording studios for highest-quality reproduction. Consistent oxide thickness provides minimum background noise and lowest distortion. Response: 0-31,000 cps. *Tensilized. †Mailer. 10 oz.

Stock No.	Mfr's Type	Lgth. Ft.	Mil	Reel Size	Base	EACH	
						1-11	12-Up
80 R 726	15A-1.5	150	1½	3″	Acetate	.46	.41
80 R 713	10A-18	1800	1	7″	Acetate	3.67	3.30
80 R 710	15A-12	1200	1½	7″	Acetate	2.29	2.06
80 R 751	10M-2.25	225	1	3″	Mylar	.66	.59
80 R 737	5TM-3*	300	½	3″	Mylar	1.05	.94
80 R 765	5TM-6*	600	½	4″	Mylar	2.03	1.83
80 R 736	5TMLA†*	600	½	3¼″	Mylar	1.99	1.91
80 R 716	10M-9	900	1	5″	Mylar	2.35	2.12
80 R 739	5TM-12*	1200	½	5″	Mylar	3.11	2.79
80 R 715	15M-12	1200	1½	7″	Mylar	2.77	2.50
80 R 717	10M-18	1800	1	7″	Mylar	4.05	3.65
80 R 750	5TM-24*	2400	½	7″	Mylar	5.71	5.14

1DM56-C SNAP-LOAD TAPE CARTRIDGE. Contains 560′ of "Red Seal" 1-mil "Mylar" tape. 9 oz.
80 R 797.......................................Each 2.70

AMERICAN and FERRO-DYNAMICS



AMERICAN TAPE. "Professional Length" offers 25% more tape on standard reels. Full-range response. *Tensilized. Av. wt., 12 oz.

Stock No.	Type	Description	1-11, EA.	12-Up, EA.
80 R 718	15-A	1½-mil Acetate, 7″, 1500′	2.33	2.10
80 R 719	L-20-M	1-mil Mylar, 7″, 2000′	3.87	3.48
80 R 720	D-18-MT5*	½-mil Mylar, 5″, 1800′	3.93	3.54

FERRODYNAMICS CORRESPONDENCE TAPE. Small, long-play reel in new reusable plastic mailer.* Plays 1-hr. @ 1⅞ ips., 4 oz.

80 R 779	5C3-2M*	½-mil Mylar, 3¼″, 600′	1.29	1.16
80 R 845	10C3	½-mil Acetate, 3″, 225′	.58	.52
80 R 846	5C3M	½-mil Mylar, 3″, 300′	.75	.66

3¼″ TAKE-UP REEL. Boxed. Shpg. wt., 4 oz.
80 R 825. 12-Up......**EACH 23¢** 1-11............**EACH 25¢**

MC5 ADDRESS CARDS. Set of 5 reversible cards. 2 oz.
80 R 847. 12-Up....**PER SET 29¢** 1-11..........**PER SET 33¢**

REEVES SOUNDCRAFT and GOLDEN TONE TAPES

SOUNDCRAFT
SOUNDCRAFT
SOUNDCRAFT

GOLDEN TONE
SOUNDCRAFT

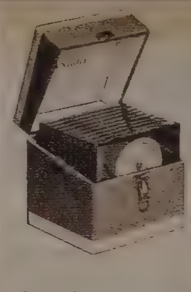
SOUNDCRAFT TYPE L 12 "LIFETIME" 1½-MIL "MYLAR." Good-quality recording tape for the home recordist, schools, etc. Features micropolished oxide surface to reduce tape head wear. Strong, break-resistant "Mylar" backing provides maximum durability. Will not dry out or become brittle—virtually immune to humidity. 1200 feet on 7″ plastic reel. Shpg. wt., 8 oz.
80 R 820. 10-Up.........**Each 2.50** 1-9..........Each 2.77

GOLDEN TONE TAPE. For exacting equipment and the discerning ear. 7 db signal-to-noise ratio gives recordings great dynamic range. Micro-polished oxide surface removes any irregularity, prevents drop-outs, protects high frequency response and minimizes head wear. *Tensilized. 7″ reel. Av. shpg. wt., 12 oz.

Stock No.	Type	Description	1-9, EA.	10-Up, EA.
80 R 826	10817*	1-mil Mylar, 1800′	5.00	4.50
80 R 827	10818*	½-mil Mylar, 2400′	7.60	6.84
80 R 828	10816	1½-mil Acetate, 1200′	3.13	2.82

KNIGHT

KNIGHT
KN 15
RECORDING TAPE
as low as
90¢
5-lot price



Exclusive ALLIED Special Offer

Buy 10 Reels of Knight KN-15 Or KN-30 tape, and get this deluxe, hinged-top wood carrying case at big savings. A regular $5.95 value.

KNIGHT
KN 30
RECORDING TAPE

as low as $1.89 5-lot price

Top Values in Every Type of Recording Tape

YOUR BEST TAPE BUY:

1. Made in Modern U.S. Factories Under Most Exacting Quality-Control Standards
2. Double Inspected at the Factory to Assure Required Uniformity Throughout the Tape

KN-15 Standard 1½-Mil Acetate Tape

Comparable in quality to any brand of 1½-mil acetate-base tape. Coated with purest red-oxide for finest results. Deep-lubricated to prolong the life of tape heads. In cellophane-sealed, hinged-box—guaranteed splice-free.

Stock No.	Feet	Reel	Lbs.	1-4, EACH	5-Up, EACH
80 R 951-G	600	5″	½	.99	.90
80 R 952-G	1200	7″	1	1.59	1.49

10 Reels of KN-15 with Case

Save $3.00 12,000 ft. of KN-15 (10—7″ reels) in deluxe wood carrying case. Shpg. wt., 14 lbs.

80 R 968-G. *$5 Monthly*	**18.85**
79 RX 888. Carrying Case Only. Size, 8x8x8″. Shpg. wt., 3 lbs.	**5.95**

KN-30 "Plus-Play" 1-Mil Acetate Tape

One of the most popular recording tapes available today. Much thinner than standard type, KN-30 "Plus-Play" gives you 50% more recording time per 7″ reel. You can make uninterrupted recordings of entire concerts, lectures, conferences or broadcasts. Special red-oxide coating minimizes tape head wear. 1800 ft. on 7″ reel. In hinged box, cellophane-sealed. 1¼ lbs.

80 R 954-G. 1-4	Each **1.98**
5-Up	Each **1.89**

10 Reels of KN-30 with Case

Save $2.90. 18,000 ft. of "Plus-Play" 1-mil acetate tape in deluxe wood carrying case. 16 lbs.

80 R 969-G. *$5 Monthly*	**22.85**

KN-10—3″ Reel of ½-Mil "Mylar"

Save!

As Low As 63¢ Each in Lots of 10

KNIGHT
KN 10

Handy correspondence tape that gives you twice the standard playing time. Doubles the recording capacity of miniature portables. 300-ft. of ½-mil "Mylar" for half-hour recording at 3¾ ips. In self-mailing carton. 8 oz.

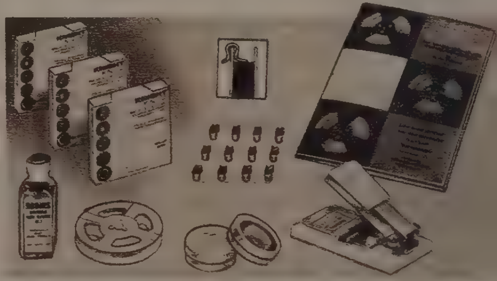
80 R 958-G. 1-9	Each **69¢**
10 or More	Each **63¢**

3¼″ REEL, 600 FT. ½-mil as above. In self-mailing carton. 8 oz.

80 R 967-G. 1-9	Each **1.20**
10 or More	Each **1.09**

QUICK GUIDE TO TAPE PLAYING TIMES

Tape Thickness	Reel Size	Tape Footage	½-TRACK (2-Track Mono, 4-Track Stereo)—Total Time Both Tracks SPEED (INCHES PER SECOND)			QUARTER-TRACK 4-Track Mono—Total Time 4 Tracks SPEED (INCHES PER SECOND)		
			1⅞	3¾	7½	1⅞	3¾	7½
Standard 1½-Mil	3″	150	½ hr.	15 min.	7½ min.	1 hr.	½ hr.	15 min.
	4″	300	1 hr.	½ hr.	15 min.	2 hrs.	1 hr.	½ hr.
	5″	600	2 hrs.	1 hr.	½ hr.	4 hrs.	2 hrs.	1 hr.
	7″	1200	4 hrs.	2 hrs.	1 hr.	8 hrs.	4 hrs.	2 hrs.
Plus-Play 1-Mil	5″	900	3 hrs.	1½ hrs.	45 min.	6 hrs.	3 hrs.	1½ hrs.
	7″	1800	6 hrs.	3 hrs.	1½ hrs.	12 hrs.	6 hrs.	3 hrs.
Double-Play ½-Mil	3″	300	1 hr.	½ hr.	15 min.	2 hrs.	1 hr.	½ hr.
	5″	1200	4 hrs.	2 hrs.	1 hr.	8 hrs.	4 hrs.	2 hrs.
	7″	2400	8 hrs.	4 hrs.	2 hrs.	16 hrs.	8 hrs.	4 hrs.



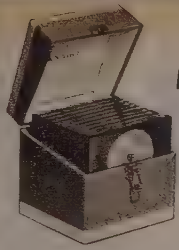
Tape Accessory Kit For Miniature Recorders

Save 54¢ on this handy accessory package, selected especially for the care of miniature portable recorders. Items purchased separately cost $5.49. Kit includes: 3—3″ reels (300 feet) of KN-10 ½-mil "Mylar" tape (described at left); empty 3″ take-up reel; tape splicer (makes "Gibson Girl" cut); 12 tape clips to prevent tapes from unwinding; 2-oz. bottle of tape head cleaner; 100″ splicing tape; informative booklet on tape editing and splicing. 5 lbs.

79 RX 836-G	**4.95**

KNIGHT
KN50
RECORDING TAPE

as low as **$1.56** 5-lot price



Exclusive ALLIED Special Offer

Get this sturdy, hinged-top wood carrying case at big savings when you buy 10 reels of KN-50 or KN-60 tape. Regular $5.95 value.

KNIGHT

KNIGHT
KN60
RECORDING TAPE

OUR FINEST

as low as **$4.40**

5-lot price

. . . Plus Exclusive Carrying Case Bonus Offers

3. Highest Grade, Red-Oxide Tape Coating Assures Top Performance and Durability

4. Guaranteed Splice-Free, No Patchwork—Every Reel Is One Continuous Length

KN-50 "Plus-Play" 1-Mil "Mylar"

First choice of professionals—outperforms tapes costing twice as much, and records 50% more than standard tape. Tough "Mylar" base is moisture and heat-resistant. Deep lubrication protects heads; treated surface gives top sensitivity. Tensile strength meets government specs. In cellophane-sealed hinged box.

Stock No.	Feet	Reel	Lbs.	1-4, EACH	5-Up, EACH
80 R 955- G	900	5″	¾	1.69	1.56
80 R 956- G	1800	7″	1½	2.49	2.25

10 Reels of KN-50 with Case

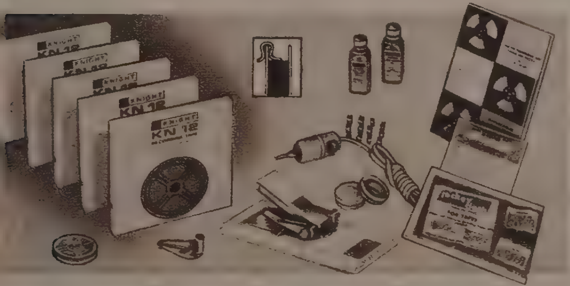
Save $4.00. 18,000 ft. of KN-50 "Plus-Play" 1-mil "Mylar" in deluxe wood carrying case. 14 lbs.
79 RX 891-G. *$5 Monthly* **26.85**

KN-60 ½-Mil Tensilized "Mylar" Tape

For the recordist who desires the finest in sound quality. Ultra-thin ½-mil design doubles your recording time. "Mylar" base with "Tensilized" strength gives tape greatest resistance to breakage, heat and humidity. Unique polishing process removes microscopic irregularities from tape. 2400 ft. on 7″ reel. Hinged box, sealed in cellophane. Shpg. wt., 1½ lbs.
80 R 957-G. 1-4 . . . . Each **4.95**
5-Up . . . . Each **4.40**

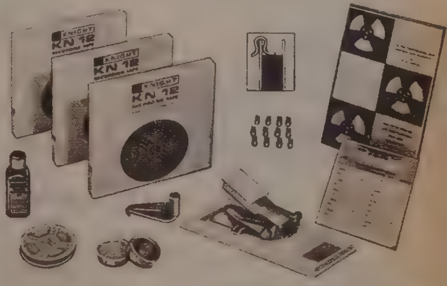
10 Reels of KN-60 with Case

Save $10.45. 24,000 ft. of extra-long play KN-60 ½-mil tensilized "Mylar" in wood case. 8 lbs.
79 RX 897-G. *$5 Monthly* **45.00**



Save $4.10 on Professional Tape Care Kit

Keeps your recorder and tape "like new" years longer. Items purchased separately cost $23.05—you save $4.10 on complete kit. Includes: 5—7″ reels (6000 ft.) of KN-12 1½-mil "Mylar" tape; tape head demagnetizer; 150′ of leader tape; tape splicer (makes "Gibson Girl" cut); 150″ of splicing tape; 24-page booklet describing "ins and outs" of tape editing and splicing; tape threader; 2-oz. bottle of head cleaner; 2-oz. bottle of lubricant; silicone-treated cleaning cloth; 30 adhesive identification labels; 12 tape clips. KN-12 tape features red oxide coating and deep lubrication. Shpg. wt., 8 lbs.
79 RX 898-G **18.95**



Low-Cost Tape Accessory Kit

Our Package Price Saves You $1.99

All the essentials for keeping your taping equipment in tip-top condition. Items purchased separately cost $11.94. Includes: 3—7″ reels (3600 ft.) of KN-12 1½-mil "Mylar" tape; 150′ leader tape; tape splicer; 150″ splicing tape; 24-page booklet on tape editing and splicing; tape threader; 2-oz. bottle of head cleaner; 30 tape identification labels; 12 tape clips. Wt., 6 lbs.
79 RX 893-G **9.95**

KNIGHT

"Special Formula" Magnetic Tape

Available only at Allied, Knight's Tape is made to higher standards than many higher-priced tapes!

Special Offers

SAVE ON CARRYING CASE WITH EITHER 5 OR 10 REELS OF "SPECIAL" KNIGHT TAPE

Save up to $1.44 on brown and white hinge-top carrying case and 5 reels of Special Formula KN-70, KN-12, or KN-20 Recording Tape—described below.

Save up to $3.25 on deluxe blue and white leatherette wood carrying case and 10 reels of Special Formula KN-12 or KN-20 Tape—described below.

KN-70 STANDARD 1½-MIL ACETATE RECORDING TAPE

As Low As $\$1^{15}$ 5-lot price

KNIGHT
KN70
RECORDING TAPE
SPECIAL FORMULA

Our lowest-priced recording tape, the KN-70 is your best choice for general-purpose taping at minimum expense. Its low price slashes your recording costs to a fraction of what you'd normally expect. But you still enjoy excellent frequency response and low noise levels, plus increased head-life because of deeply lubricated oxide and specially treated surfaces. Also has precision-applied purest oxide surface. Provides absolutely uniform output level. Guaranteed splice-free for smoothest service, consistent performance. Compare its unique quality—it's the best 1½-mil acetate-base tape available at this price. Each reel contains 1200 feet of tape on a 7" plastic reel. Individually boxed. Shpg. wt., 1 lb.

80 R 963-G. 5-Up............**Each 1.15 1-4**....................**Each 1.25**

SPECIAL TAPE AND CHEST OFFER. Save $1.29. Five reels (6000 ft.) of Knight's Special Formula KN-70 recording tape, plus a hinge-top brown and white carrying case. Shpg. wt., 6½ lbs.

80 R 964-G. 5 Tapes plus Chest. Separately, $7.74....................**6.45**

80 R 950-G. Carrying Case Alone. Shpg. wt., 1½ lbs....................**1.49**

KN-12 DOUBLE-STRENGTH 1½-MIL "POLYESTER" RECORDING TAPE

As Low As $\$1^{39}$ 5-lot price

KNIGHT
KN 12
RECORDING TAPE
SPECIAL FORMULA

Knight's strongest Special Formula tape. Tough, durable, long-life polyester base that can take rough handling. Resists stretching, breakage, heat and humidity. Special, patented oxide formula ensures maximum fidelity and performance. Deep lubrication minimizes tape-head wear for even greater operating economy. Guaranteed splice-free. Each reel contains 1200 feet 1½-mil tape on 7" plastic reel. Individually boxed. Shpg. wt., 1 lb.

80 R 959-G. 5-Up...........**Each 1.39 1-4**..................**Each 1.49**

SPECIAL TAPE AND CHEST OFFER. Save $1.29. Five reels (6000 ft.) of Knight's Special Formula KN-12 recording tape, plus a $1.49 brown and white carrying case. Shpg. wt., 6½ lbs.

80 R 961-G. 5 Tapes plus Chest. Separately, $8.94....................**7.65**

79 RX 889-G. Save $2.95. Ten reels (12,000 ft.) of KN-12 tape and deluxe blue and white carrying case. Shpg. wt., 11 lbs..........................**17.90**

79 RX 888-G. Wood Carrying Case Alone. Shpg. wt., 2 lbs...............**5.95**

FOR LONGER RUNS—KN-20 "PLUS-PLAY" 1-MIL "POLYESTER" TAPE

As Low As $\$1^{85}$ 5-lot price

KNIGHT
KN20
RECORDING TAPE
SPECIAL FORMULA

Gives you 50% more playing time than standard 1½-mil tape—plus long-life durable polyester base—and excellent audio quality. The 50% additional length offered by KN-20 "Plus-Play" lets you make uninterrupted recordings of concerts, conferences, and other events, on a single reel of tape. Highly resistant to breakage, stretching, heat and humidity—its "just the thing" for outdoor recording sessions. Deep-lubricated to protect your recorder's heads. Guaranteed splice-free. Each reel contains 1800 feet of 1-mil tape on 7" plastic reel. Individually boxed. Shpg. wt., 1½ lbs.

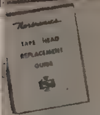
80 R 960-G. 5-Up............**Each 1.85 1-4**..................**Each 1.98**

SPECIAL TAPE AND CHEST OFFER. Save $1.44. Five reels (9000 ft.) of Special Formula KN-20 "Plus-Play" recording tape, plus a $1.49 brown and white carrying case. Shpg. wt., 6½ lbs.

80 R 962-G. 5 Tapes plus Chest. Separately, $11.39....................**9.95**

79 RX 890-G. Save $3.25. Ten reels (18,000 ft.) of "Plus-Play" KN-20 tape and deluxe $5.95 chest. Wood carrying case has hinged-top and attractive blue and white leatherette covering. Shpg. wt., 11 lbs....................**22.50**

Tape Recording Heads, Accessories by Nortronics

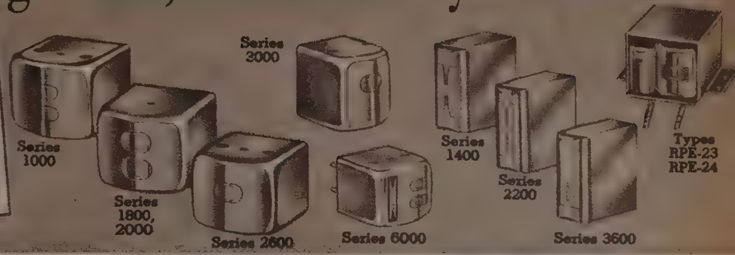


Free!

TAPE HEAD REPLACEMENT GUIDE

By Nortronics. Lists over 500 recorders. Most complete reference for replacement heads.

80 R 839.......... FREE



2-Track and 4-Track Stereophonic and Monophonic Magnetic Tape Heads

RECORD AND RECORD/PLAYBACK HEADS. Laminated-core heads for professional use and optimum performance requirements. (Heads 3000 and 3001 solid-core type.) Response: 30-15,000 cps at 7½ ips. Crosstalk rejection on stereo heads: 50 db. Av. shpg. wt., 6 oz.

NO-MOUNT HEADS. *Designed for recorder circuits with tubes. †For circuits using transistors and tubes.

Stock No.	Mfr's Type	Description	1-kc Ind. MHY	Gap Mils	60-kc Imp. Ohms	EACH
80 RC 854	1000	4-tr. stereo, R/P high-Z*	800	0.1	......	21.00
80 RC 984	1001	4-tr. stereo, R/P med.-Z†	400	0.1	......	21.00
80 RC 975	1203	4-tr. stereo, record only low-Z†	50	0.5	......	28.20
80 RC 985	1801	2-tr. stereo, R/P, med.-Z†	400	0.1	......	23.30
80 RC 978	2003	2-tr. stereo, record only, low-Z†	50	0.5	......	30.30
80 RC 863	2601	2-tr. mono, R/P, med.-Z†	400	0.1	......	15.90
80 RC 865	2603	2-tr. mono, record only, low-Z†	50	0.5	......	15.90
80 RC 829	3000	2-tr. mono, R/P, high-Z*	800	0.1	......	8.40
80 RC 830	3001	2-tr. mono, R/P, med.-Z†	400	0.1	......	8.40
80 RC 866	1400	4-tr. stereo, erase, high-Z†	80	.....	30K	12.00
80 RC 867	1401	4-tr. stereo, erase, med.-Z†	10	.....	2800	12.00
80 RC 868	2200	2-tr. stereo, erase, high-Z†	80	.....	25K	12.00
80 RC 869	2201	2-tr. stereo, erase, med.-Z†	8	.....	2000	12.00
80 RC 870	3600	2-tr. mono, erase, high-Z†	80	.....	25K	8.00
80 RC 871	3601	2-tr. mono, erase, med.-Z†	8	....	2000	8.00
80 RC 986	6001	Combo 4-tr. stereo erase (1400), record (1203)				33.00
80 RC 987	6002	Combo 4-tr. stereo erase (1401), R/P (1001)				33.00
80 RC 988	6125	Combo 2-tr. mono erase (3601), R/P (2601)				21.00

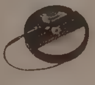
QUIK-KIT HARDWARE. For adapting No-Mount heads (above and at right) to Side or Base-Mount styles. Av. shpg. wt., 4 oz.

SIDE MOUNT		BASE MOUNT		For Head Types
Stock No.	QK No.	Stock No.	QK No.	
80 RC 850	38	80 RC 852	66	All R/P except 3000
80 RC 898	20	80 RC 897	21	3000 R/P
80 RC 851	18	80 RC 853	19	All Erase Heads
80 RC 838	103	....	....	R/P Head Hardware for RCA, Bell Cartridge Machines

EACH...1.00

COUSINO Audio Vendors

Tape magazines. Fit most recorders. Clockwise, except *counter-clockwise. †@ 3¾ ips. (doubled with Möbius loop). Wt., 12 oz.



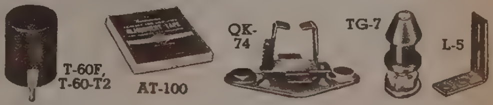
Stock No.	Type No.	Running Time†	EA.
80 R 145	U-1310C-3	3 minutes	5.10
80 R 146	U-1310C-5	5 minutes	5.50
80 R 135	U-1310C-12	12 minutes	7.40
80 R 147	U-1310CC-3*	3 minutes	5.10
80 R 148	U-1310CC-5*	5 minutes	5.50
80 R 136	U-1310CC-12*	12 minutes	7.40

Provides Continuous Tape Play Ideal for Repeated Messages

ERASE HEADS. Efficient double-gap heads with full metal face and all metal case. 60-kc operating voltage: high-impedance types require 100-150 volts; medium-impedance types, 30-50 volts. For frequencies up to 100 kc. Av. shpg. wt., 6 oz.

REPLACEMENTS FOR MICHIGAN/MAGNETIC, SHURE HEADS Direct replacements. QK number indicates required mounting hardware to be ordered from listing at left.

Stock No.	Mfr's Type	QK No.	Replaces All These Tape Heads	EACH
			M/M Type:	
80 RC 836	1851	.....	3F20-101	24.80
80 RC 837	1801	66	3F20-105	23.30
80 RC 982	3251	.....	3FM20-104, 3FM20-108	17.40
80 RC 830	3001	20	3L20	8.40
80 RC 858	1800	38	5B20LS, 7B17, 10B20LS	23.30
80 RC 854	1000	38	5Q17, 5Q17-105	21.00
80 RC 854	1000	103	5QT17, 5QT17-105	21.00
80 RC 829	3000	20	7L17, 7L17-108, 10L17-104	8.40
80 RC 871	3601	18	5S1, 5S1-103, 7EM12A	8.00
80 RC 835	2201	18	5SS1	12.00
80 RC 867	1401	18	9QE3	12.00
80 RC 870	3600	18	40EM12	8.00
			Shure Bros. Type:	
80 RC 833	RPE-23	.....	815, TR5/5B/5B-J/5D/5H, 5TRB	15.60
80 RC 834	RPE-24	.....	815H, TR5C/5K/5L/5Z-1/5Z-2J	15.60
80 RC 832	3101	20	817, TR16A, TR16-J, TR21C-J	8.40



80 RC 894. T-60F Bias Oscillator Coil. For 12AU7A circuits. 40-120 volts at 60-100 kc. For all heads, above. Wt., 6 oz..........**4.50**

80 RC 895. T-60-T2 Coil. For single-ended or P-P transistor circuits. 40-120 v. at 60-100 kc. for all erase and record heads listed in tables above. Shpg. wt., 6 oz..........................**4.50**

80 R 111. AT-100 Alignment Tape. Full-track, 7½ ips tape. For proper azimuth alignment, checking frequency response (NAB curve) on any recorder. Recorded instructions. 8 oz.........**4.95**

80 RC 849. QK-74 Mounting Assembly. Complete with adjusting screws for azimuth, height, face alignment. Accepts TG-7 guide post (below) on each side of head. For all No-mount R/P heads listed above, except Series 3000. Shpg. wt., 4 oz..................**2.25**

80 R 795. TG-7 Adjustable Tape-Guide Post. High-precision tolerance; chrome-plated brass for long life. 3 oz............**1.00**

80 R 796. L-5 Bracket. Universal type. For installing Side-mount style tape heads on any tape recorder. Shpg. wt., 3 oz........**50¢**

MARK-Q-MATIC MQM-1 Projector/Recorder Synchronizer

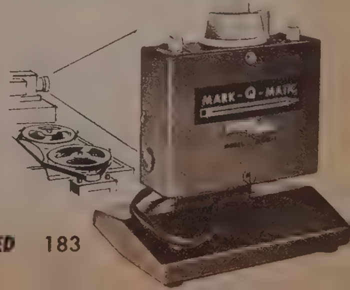
Make your treasured slides come to life! The Mark-Q-Matic allows you to automatically synchronize tape recorded narrations and background music with your slides. Works with any tape recorder and remote-control operated slide projector. Easy to use—includes adapter cable that plugs into remote control socket of your projector. Tape from your recorder is routed through the tape guide of the MQM-1. Special pencil lets you mark points on tape where you want slides to advance. Marks can be erased. Also has skip button. For 110-120 v., 60 cycle AC. Shpg. wt., 3 lbs.

80 R 780-G. *$5 Monthly*..........................49.95

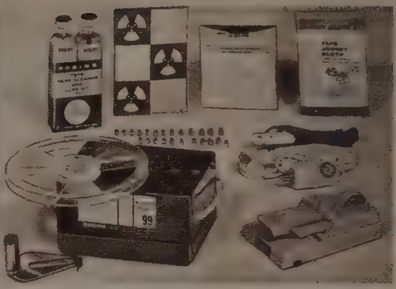
$49.95

ADD SOUND TO YOUR SLIDES!

Portable—Installs in Minutes— Simple to Operate



ROBINS Top-Quality



Top-Quality Tape Accessory Outfits for Home and Professional Recordists

DELUXE ACCESSORY KIT. For the serious home recordist. This 10-piece kit includes deluxe accessories for editing tapes and maintaining recorders. Helps you get longer and better service from your recording equipment. Includes: TS-8D "Stereo 4" Deluxe Tape Splicer; ST-500 ½" Splicing Tape; TT-1 Tape Threader; HC-2 Tape Head Cleaner; JCT-2 "Jockey Cloth" Tape Cleaner and Lubricant; TC-12 Tape Clips; SL-30 Adhesive Reel Marking Labels; TE-24 Tape Editing and Splicing Booklet; RC-2-22 Tape Head Lubricant; RH-2 Reel Holders. Deluxe splicer features "see-thru" windows that let you see operation of splicer; uses extra-wide ½" tape for deluxe splices. Lubricant reduces tape head wear. Push-on, reel holders prevent reels from wobbling, hold them securely to recorder spindles. Shpg. wt., 1½ lbs.

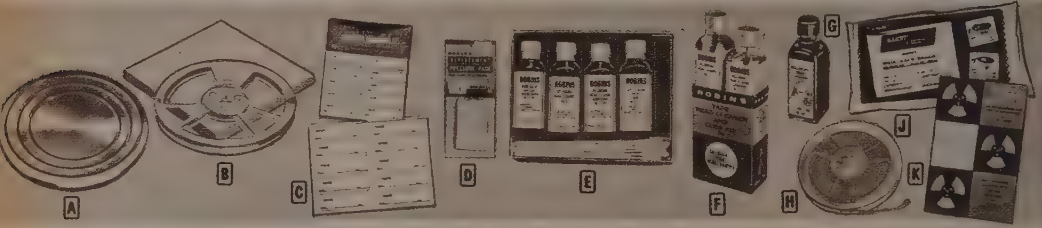
80 R 169....................10.05

ECONOMY ACCESSORY KIT. This 8-piece kit includes everything you need for editing tapes and maintaining your tape recorder. Includes: TS-4S "Stereo 4" Standard Tape Splicer; ST-375 ⅜" Splicing Tape; TT1 Tape Threader; HC-2 Tape Head Cleaner; JCT-2 "Jockey Cloth" Tape Cleaner and Lubricant; TC-12 Tape Clips; SL-30 Adhesive Reel Marking Labels; TE-24 Tape Editing and Splicing Booklet. Splicer makes tape editing and repairing fast and easy. Splicing tape holds firmly. Tape threader fits any size reel. Cleaner protects tape and tape heads. Jockey cloth lubricates tapes while they are running. Clips prevent tape from accidentally spilling off reel while handling. Labels identify taped program material. Illustrated booklet helps you do professional editing and splicing. Shpg. wt., 1½ lbs.

80 R 115....................6.75

PROFESSIONAL ACCESSORY KIT. Every accessory for the language lab, recording studio, audio-visual department, professional home recordist. Includes: TS-8D "Stereo 4" Deluxe Tape Splicer; 6 rolls of ST-500 ½" Splicing Tape; TT-1 Tape Threader; JCT-2 "Jockey Cloth" Tape Cleaner and Lubricant; TC-12 Tape Clips; SL-30 Adhesive Reel Marking Labels; ME-99 Deluxe Bulk Tape Eraser; HD-6 Tape Head Demagnetizer; TK-5 Strobe Light; TK-6 Tape Head Cleaner and Lube Kit. Bulk eraser removes old program material from entire reel in just seconds, lowers noise level 3 to 6 db. Head demagnetizer removes residual magnetism from tape heads for optimum noise level. Strobe light measures tape speed. Head cleaner and lube protect tape heads for long life and top-quality recordings. Shpg. wt., 14 lbs.

80 RX 213....................46.80



Assorted Tape Recording Accessories

A **TAPE STORAGE CANS.** Steel cans for safe storage of recorded tapes. Reduces ageing. Ribs on cans nest together for stacking.

80 R 207. TC-7. 7" Can. 8 oz........51¢
80 R 208. TC-5. 5" Can. 6 oz........36¢

B **BOXED EMPTY TAPE REELS.** Clear styrene reels. In mailer carton except * in storage box. 4 oz.

80 R 235. TR-20. 2" Reel..........15¢
80 R 236. TR-25. 2½" Reel..........15¢
80 R 237. TR-30. 3" Reel..........15¢
80 R 238. TR-50. 5" Reel*..........36¢
80 R 240. TR-70. 7" Reel*..........45¢

C **SL-30 REEL MARKING LABELS.** Adhesive title labels for marking tape reels. You can write or type on them. **30 per pkg.** Shpg. wt., 2 oz.

80 R 124..............PER PKG. 27¢

D **PP-1 REPLACEMENT PRESSURE PADS.** An assortment of 50 pre-cut felt pressure pads to fit almost any recorder. Easy to install. Shpg. wt., 2 oz.

80 R 209..............PER PKG. 60¢

E **TK-7 TAPE KARE KIT.** Includes 2-oz. bottles of: HC-2 Head Cleaner, RC-2-22 Head-Guide Lubricant, RC-2-33 Tape-Phono Drive Oil, RC-2-56 Non-Slip for Tape and Phono Drives; and 50 Swabs. 1½ lbs.

80 R 214....................2.25

80 R 215. Q-100. 6" swabs. For cleaning recorders. Pkg. of 100. 8 oz..........45¢

F **TK-6 TAPE HEAD CLEANER AND LUBE KIT.** Includes 2-oz. bottle of Head Cleaner and 2 oz. bottle of Head and Guide Lubricant. Shpg. wt., 6 oz.

80 R 181....................1.20

G **HC-2 TAPE HEAD CLEANER.** Removes dirt, grime and oxides from heads. 2-oz. bottle with applicator. Wt., 4 oz.

80 R 113....................60¢

RC-2-22 TAPE HEAD LUBRICANT. 2-oz. bottle. Shpg. wt., 4 oz.

80 R 206....................60¢

RC-2-33 TAPE AND PHONO-DRIVE OIL. 2-oz. bottle. Wt., 4 oz.

80 R 182....................45¢

H **HC-5 "TAPE CLEAN."** 5" reel of chemically treated cloth tape. Cleans and lubes heads. Shpg. wt., 6 oz.

80 R 205....................1.65

J **JCT-2 "JOCKEY CLOTH."** Cleans and lubricates tape while running. Protects by depositing silicone film on tape. Washable, reusable. Wt., 3 oz.

80 R 152....................60¢

K **TE-24 TAPE EDITING AND SPLICING BOOKLET.** By Haynes. Fully illustrated. 6x9". 24 pages. 2 oz.

80 R 131....................24¢

TE-48 TELEVISION TAPE RECORDING BOOKLET. By Goodall. Illus. Video tape techniques. 6x9". 48 pages. 3 oz.

80 R 126....................60¢

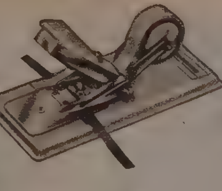
TE-96. WHAT YOU SHOULD KNOW ABOUT YOUR TAPE RECORDER. Illustrated book on care and use of recorders; trouble-shooting guide; up-to-date glossary. 6x9". 96 pages. 4 oz.

80 R 167....................60¢

Tape Recording Accessories

ROBINS

SP-4
"Semi-Pro"
$1.50



TS-4S
"Stereo 4"
$5.70

Deluxe "Stereo 4" Splicer
Model TS-8D $7.65

Easy-to-Use Tape Splicers and Splicing Tape

SP-4 "SEMI-PRO". Small, efficient low-cost tape splicer. Tape guide has adhesive back; hand-held cutter has blade cover. Makes diagonal cuts and "Gibson Girl" trim cuts. Shpg. wt., 3 oz.
80 R 150......................1.50

TS-4S STANDARD "STEREO 4". Splices 4-track tapes without affecting program material on outside tracks. Cuts tape diagonally, cuts tiny trims on sides. Has replaceable cutter cartridge, blade centering adjustment, integral tape dispenser. With 100" roll of 3/8" splicing tape, plastic dust cover. Shpg. wt., 12 oz.
80 R 192......................5.70

80 R 195. TS-4J Junior "Stereo 4". Above, less tape dispenser and 3/8" tape. Shpg. wt., 8 oz......................**4.35**

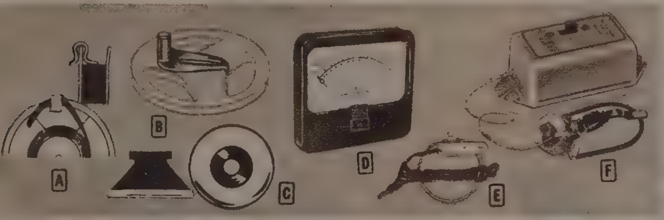
80 R 200. RK-3. Replacement cutter, 2 cutting pads. For TS-4S, TS-4J. 3 oz....**90¢**

TS-8D DELUXE "STEREO 4". Deluxe unit splices 4-track stereo and mono tapes without affecting program material. Cuts tape diagonally, cuts tiny trims on sides. "See-thru" windows show operating positions. Replaceable cutter cartridge, blade centering adjustment. Made of super-strong "Implex". Has integral tape dispenser. With 100" roll of 1/2" splicing tape, instructions. Shpg. wt., 1 lb.
80 R 142......................7.65

80 R 190. RK-8. Replacement cutter, 2 cutting pads. For TS-8D. 3 oz.........**90¢**

SPLICING TAPE. Mylar. All characteristics carefully controlled. 100" on 1" core. Av. wt., 2 oz.

Stock No.	Type	Width	EACH
80 R 202	ST-234	1/4"	24¢
80 R 203	ST-375	3/8"	27¢
80 R 155	ST-500	1/2"	30¢
80 R 204	ST-750	3/4"	45¢



Assorted Tape Recording Accessories

[A] **TC-12 TAPE CLIPS.** Keep tapes from unwinding. Fit all reels. Made of tough plastic, they're reusable hundreds of times. 12 Per Pkg. 3 oz.
80 R 153...............PER PKG. 24¢

[B] **TT-1 TAPE THREADER.** For all 3" to 7" reels. An aid to easy tape threading. Place tape against reel, slip threader on, turn crank—tape is threaded quickly and easily. Shpg. wt., 2 oz.
80 R 166......................60¢

[C] **RH-2 REEL HOLDERS.** Prevent reels from wobbling. Hold them securely to recorder takeup and feed spindles. 2 Per Pkg. Shpg. wt., 3 oz.
80 R 122...............PER PKG. 51¢

[D] **VU-100 4½" VU METER.** Eliminates guesswork when setting recording levels. Reads: 0-100% modulation, −20 to +3 db. Has dual-impedance input. Sensitivity is 200 μa. With shunts for 1.2 and 12 v. "zero" VU reference level. Mounts in 2¾" dia. hole; 1½" deep. 1 lb.
80 R 125......................19.20

[E] **TK-5 TAPE STROBE KIT.** Lets you check speed, flutter and wow of 15, 7½ and 3¾-ips recorders. Instructions. For 110 v., 60-cycle AC. Wt., ½ lb.
80 R 128......................1.35

[F] **TRB-3 TELE-TAPE BEEPER-INDUCTOR.** Makes it easy to comply with FCC regulations. Transistorized signal generator-timer with attached ferrite-core pickup coil automatically injects 1-kc "beep" into phone lines and recorder at 15-sec. intervals. Battery lasts for about 3000 average phone calls. "Easy-on" spring fastening to phone. Has 6-ft. cable to phone and to recorder. With on-off switch. Less battery, below. 5x2x1½". Shpg. wt., 1 lb.
80 R 210......................18.00

55 J 105. Battery for Above.......**1.23**

TRP-1 TELE-TAPE INDUCTOR. Similar to above, but without "beeper". Pickup coil has high-efficiency ferrite core. "Easy-on" mechanical spring fastening. 6-ft. shielded cable. Shpg. wt., 6 oz.
80 R 211......................3.60

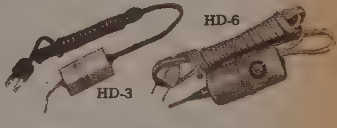
ME-99
ME-77
ME-55
$9.99

Bulk Tape Erasers

PROFESSIONAL MODEL ME-99. Erases entire reel of tape at once, in just seconds. Lowers residual noise 3 to 6 db below most erase-head levels. Demagnetizes metal reels, also. For reels to 10", tapes to ½". 5¼x6¾x3¾". For 110-120 v., 50-60 cycle AC. U.L. Listed. Shpg. wt., 8½ lbs.
80 R 114......................26.00

DELUXE MODEL ME-77. For reels to 7", tapes to ¼". Erasure 2 to 4 db below erase head levels. 2½x6¼x3¾". For 110 v., 60 cycle AC. 5 lbs.
80 R 130......................14.70

LOW-COST MODEL ME-55. New compact hand-held unit erases tapes in seconds. Reduces background noise level of tape to below normal erase head level. For any ¼" tape, any size reel. 4½x2⅜x2". For 110 v., 60 cycle AC. Wt., 2 lbs.
80 R 212......................9.99

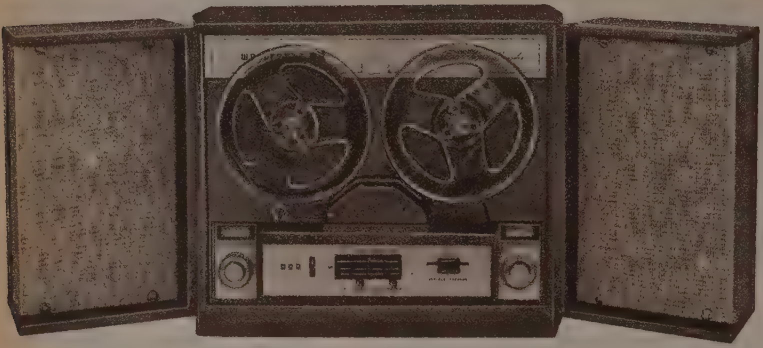


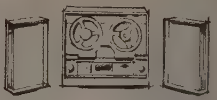
Tape Head Demagnetizers

DELUXE MODEL HD-6. Removes residual magnetism from tape head for optimum signal-to-noise ratio. 4⅝x1¼" dia. For 110 v., AC. U.L. Listed. 1 lb.
80 R 154......................6.00

LOW-COST MODEL HD-3. Low-cost version of above. 3½x1¼" dia. For 110 v., 60 cycle AC. Wt., 8 oz.
80 R 127......................3.60

Wollensak Latest Model Tape Recorders





Detachable "Wing" Speakers for Maximum Stereo Effect

New Model T-1280 4-Track Stereo Recorder with Detachable Speakers

Complete

$199⁰⁰

$10 monthly

Terrific Value! Portable Stereo Recorder with Mikes and Separate Speakers. A Deluxe Stereo Recording Instrument

Announcing the new Model T-1280, a newcomer to the line of "proven excellence" Wollensak units. Provides you with completely portable 4-track stereo and monophonic record and playback facilities at a truly budget-sparing price. Offers amazing simplicity of operation. Has interlocking tab controls for record, play, and stop; rewind and fast-forward lever. Instant-stop for easy cuing and editing. Automatic head demagnetizer. Self-adjusting brakes. Independent volume and tone controls for each channel. Dual VU meters. Automatic end-of-reel shutoff. Operates in either horizontal or vertical position. Full-range sound is provided by a 6-watt stereo amplifier and 5½x7½" speakers housed in detachable wing speaker enclosures. Lets you position speakers for optimum stereo in any room. Rear panel contains a complete array of jacks: 2 microphone inputs, 2 preamp inputs, 2 preamp outputs, 2 external speaker jacks, and a recording monitor switch. **Response:** ±3 db, 50-17,000 cps at 7½ ips; 50-8000 cps at 3¾ ips. **Flutter and Wow:** 0.3% rms. **Signal-to-Noise Ratio:** 45 db. Luggage-style case, 10 9⁄16x17½x14". With 2 mikes, patch cords, reel of tape, 7" takeup reel. For 110-120 v., 60 cycle AC. Shpg. wt., 30½ lbs.

79 RU 948-G. *$10 Monthly*.........199.00

79 RU 949-G. Model T-1281 Deck. As above, but less speakers and all accessories. Size 5¾x15 7⁄16x11⅜". Shpg. wt., 20 lbs..........**169.00**

For Horizontal or Vertical Operation

Plays with Cover Closed

$129⁰⁰

$7 monthly

- 2-Speeds—7½ and 3¾ ips
- Takes 7" Reels

New Model T-1220 2-Track Monophonic Portable

Everyone in the family can join in on the fun and make clear, true music recordings at 7½ ips, and extended-play speech recordings at 3¾ ips. Lightweight and compact, you'll want to take it with you for "on-the-spot" recordings of those special events—school plays, concerts, business conferences, church affairs, etc. A marvel of simplified operation: instant-acting tab controls for record, play and stop; fast-forward and rewind lever. Automatic tape lifters for quiet rewinds. Instant-pause control. Automatic end-of-reel shutoff. Automatic head demagnetization. Digital counter. VU meter for precise record-level settings. Input and output jacks for recording from microphone, phono-radio-TV, and playback through external amplifier or speaker, and monitoring facilities. Self-contained 3-watt amplifier with tone controls. 5x7" speaker. **Response:** ±3 db, 50-17,000 cps at 7½ ips. **Flutter and Wow:** 0.3% rms. S/N: 45 db. 8x17½x14". With mike, patch cords, reel of tape, 7" takeup reel. For 110-120 v., 60 cycle AC. Shpg. wt., 27½ lbs.

79 RU 657-G. *$7 Monthly*..............................129.00

Built-In Start-Stop Mike with Cable

New Battery Operated Model T-600

$119⁰⁰

$6 monthly

- Modern Solid-State Circuit
- 2-Speeds—3¾ and 1⅞ ips
- Constant-Speed Capstan Drive
- Pushbutton Operation

Solid-state (transistorized) portable recorder powered by six 1½-volt batteries and a 9-v. battery. Constant-speed capstan drive lets you interchange tapes for playback on any 2-track mono recorder with 3¾ or 1⅞ ips speeds. Convenient pushbutton operation—rewind, stop, fast-forward and play/record with record-safety. Accurate VU record-level and battery life meter. Output jack for earphone listening, or plays through its own 2½x3¾" speaker. Response: 250-5000 cps at 3¾ ips. Take-it-with size, only 8 1⁄16x8-3/5x2-1/5". With microphone, batteries, leather carrying case with shoulder strap, tape and takeup reel. Shpg. wt., 5¼ lbs.

79 RX 667-G. *$6 Monthly*.............119.00

80 R 781. 110-v. AC Converter. 7 lbs........**12.95**

80 R 782. Foot Remote Switch. 1 lb.........**11.95**

Compact Stereo Recorders by Wollensak

Model T-1515-4 4-Track Mono Record/Play, Stereo Play

- Has Preamp for Playback of 2nd Stereo Channel Through Any External Amplifier/Speaker
- 2-Speeds—7½ and 3¾ ips

$199.00

$10 Monthly

WOLLENSAK
3m
WOLLENSAK

High-quality recorder at an economy price. Track dialing lets you record 4 separate tracks, monophonically, for up to 12 hours on one 3600-ft. reel. Also plays 2 and 4-track stereo tapes—one channel through its own speaker, the other through your hi-fi system, phono or TV. 10-watt amplifier with tone control. Easy-to-operate keyboard controls for play, record, stop. Also has pause control, fast-rewind and fast-forward. Digital counter. Normal-distort record-level indicator. Automatic head demagnetization. **Response:** ±3 db, 40-15,000 cps at 7½ ips. **Flutter & Wow:** less than 0.3%. S/N: better than 48 db. 6½x10¼x11¾". With mike, 1200-ft. tape, 7" takeup reel. For 110-120 v., 60 cycle AC. Shpg. wt., 35 lbs.

79 RU 463-G. *$10 Monthly*................199.00

79 RU 461-G. Model T-1500. As above, but plays and records 2-track mono tapes only. Wt., 27 lbs....**179.00**

79 RU 471-G. Vinyl Slip-Over-Case. 2 lbs.......**6.75**

Model T-1580 Stereo and Mono Record/Play

$319.00

$16 monthly

- Records and Plays Both 2 and 4-Track Stereo and Monophonic Tapes
- 22-Watt Stereo Amplifier
- 2 Speakers
- 2-Speed Operation—7½ and 3¾ ips

WOLLENSAK
3m

Moderately-priced stereo portable. Offers sound-with-sound recording. Doubles as P.A. amplifier. Four easy-to-use tabs control all record/play functions. Balanced tone, volume controls and record-level indicators for each channel. Has counter, automatic head demagnetization, end-of-reel shutoff, self-adjusting brakes. **Response:** ±3 db, 40-18,000 cps at 7½ ips. **Flutter-Wow:** below 0.3%. S/N: better than 48 db. 6½x10¼x11¾". With 2 mikes, 1200-ft. tape, 7" takeup reel, vinyl cover, patch cord. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 40 lbs.

79 RU 486-2. *$16 Monthly*....................319.00

79 RU 673-U. T-1780 Deck. As above, less amplifier/speakers, accessories. With stereo preamps. Wt., 32 lbs...**269.00**

Model T-1980 Professional Stereo Recorder

- Records and Plays 2 and 4-Track Stereo and Mono Tapes at 7½ and 3¾ ips
- 22-Watt Stereo Amplifier
- P.A. Provision
- Built-In Speaker for Each Stereo Channel
- Monitoring Provisions
- Digital Counter

$379.00

$18 monthly

Wollensak's finest! Deluxe performance from a stereo recorder with professional features—sound-with-sound, dual VU meters, and much more for top-quality recording

SCOTCH
Magnetic Tape

Magnificent portable stereo recorder packed with professional features. A powerful 22-watt stereo amplifier provides outstanding sound through two built-in hi-fi speakers. Separate volume and tone controls for each channel. 2 VU meters. Self-adjusting brakes for instant-stops during cuing and editing. Automatic tape lifters. Automatic head demagnetization. Reel locks, automatic end-of-reel shutoff, etc. Has inputs for mikes and high-level sources; 8-ohm outputs for external speakers or headphones, and high-impedance outputs for auxiliary amplifier. Operates in vertical or horizontal position. **Response:** ±3 db, 40-18,000 cps at 7½ ips. **Flutter and Wow:** below 0.3%. S/N: better than 48 db. 21¼x12¾x9$\frac{5}{16}$". With 2 mikes, 1200-ft. tape, 7" takeup reel, 2 patch cords, 2 audio cables. For 110-120 v., 60 cycle AC. Shpg. wt., 52 lbs. Shipped express.

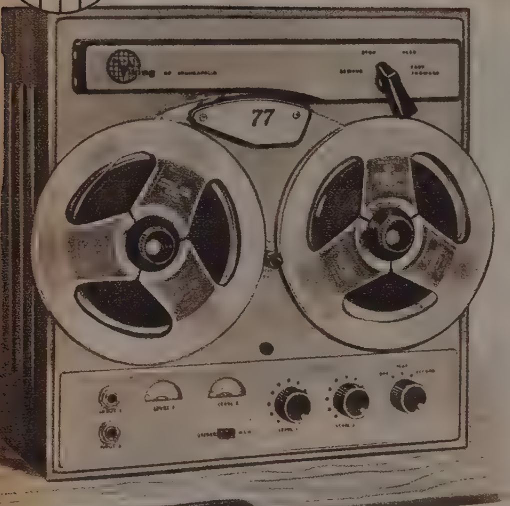
79 RU 976-G. *$18 Monthly*.....................379.00

79 RU 947-G. Model T-1981. As above, but designed for custom installation. Has cadmium steel enclosure, brushed-chrome mounting frame. Less speakers and accessories. Input and output jacks on both front and rear panels. 52 lbs. **349.00**

79 R 465-G. Foot Control. For all models. Wt., 2 lbs...**15.75**

79 R 468-G. Earphone. For all models. Wt., 8 oz.......**9.45**

Professional Stereo Taping Equipment



New Model 77-HQ Stereo Compact

$191⁹⁵

$10 monthly

- 4-Track Stereo and Mono Record/Play
- Two Speeds—7½ and 3¾ ips
- Hyperbolic Heads • Two VU Meters
- Handsome Stainless-Steel Front Panel
- Flush-Mounts Vertically, Horizontally

Add 4-track stereo and monophonic recordings to your music system with this versatile, easy-to-use compact. Consists of a tape transport with 2 hyperbolic-contoured heads that need no pressure pads, and have extended-life laminated metal faces; and record/play preamps with complete array of controls, inputs and outputs.

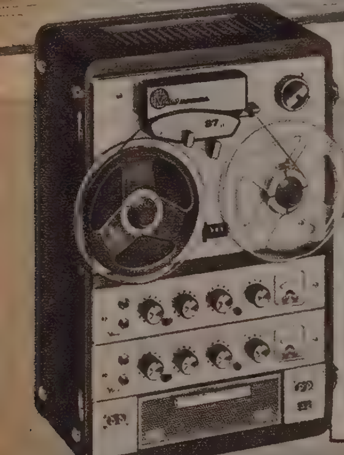
An inter-locked tape motion control selects rewind, stop, play and fast-forward. Has separate speed-change control. Record-indicator. Independent record/play volume controls. 2 VU meters. Stereo-mono switch. Convenient front-panel mike inputs; rear-panel high-level inputs for recording from phono, tuner, other recorder; outputs for connection to music system amplifier.

Response: ±3 db, 50-16,000 cps at 7½ ips; ±4 db, 50-4000 cps at 3¾ ips. **Flutter and Wow:** less than 0.2% at 7½ ips. **S/N:** 50 db. Takes 7" reels. A distinctive addition to any system, only 13x13x6¼" deep. Requires 12½" square cutout. Less base, below. For 110-120 v., 60 cycle AC. Shpg. wt., 25 lbs.

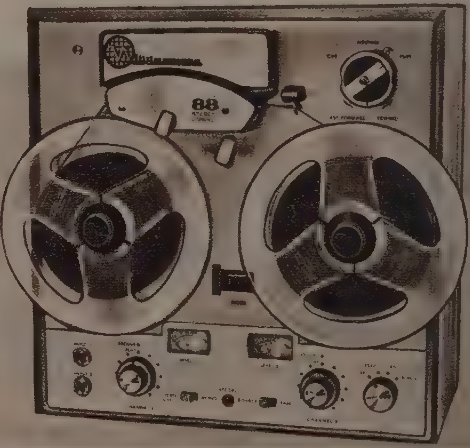
79 RU 399-G. *$10 Monthly*.................... **191.95**

79 RU 301-G. Model 770 Portable Recorder. As above, but with built-in solid-state (transistorized) stereo power amplifier, two wide-range speakers, carrying case. 20⅝x15¼x8⅜". Wt., 40 lbs. **260.00**

79 RU 397-G. Model 1500 Oiled-Walnut Base. Wt., 10 lbs. **15.95**



Portable Unit for Truly Professional-Performance Stereo Recording



New Model 87-RMQ Stereo Super-Pro Portable

$358⁹²

$17 monthly

- Professional-Quality 4-Track Record/Play
- 3 Separate Heads • Headphone Monitoring
- Sound-on-Sound Recording Facilities
- Rugged Construction for On-Location Use

Advanced designed professional recorder using the Model 87-RMQ transport and two RP83-3 record/play preamps in a carrying case. Records and monitors 4-track stereo and mono; plays 2 or 4-track stereo or monophonic tapes. Large VU meters and record indicator lights for each channel. Separate high-level and low-level inputs, with independent record-level controls let you "mix" and "fade" while recording. "Erase Protek" switch and digital counter. Built-in multiplex filter. **Response:** ±3 db, 30-16,000 cps at 7½ ips; 30-12,000 cps at 3¾ ips. **Flutter and Wow:** less than 0.2% at 7½ ips. **Signal/Noise:** —55 db at 7½ ips. In case, 20½x14x10". For 110-120 v., 60 cycle AC. Shpg. wt., 42 lbs.

79 RU 402-G. *$17 Monthly*.................... **358.92**

79 RU 398-G. 87-RMQ Transport Alone. Wt., 24 lbs.... **153.27**

79 RU 472-G. RP83-3 Preamp Alone. Wt., 7 lbs.......... **94.50**

New Model 88-RMQ Stereo Compact Deck

$271⁹⁵

$14 monthly

- Thrilling Wide-Range Frequency Response
- Records/Plays 4-Track Stereo and Mono
- 3 Separate Hyperbolic-Contoured Heads
- 2 Speeds—7½ and 3¾ ips • 2 VU Meters

Engineered to satisfy the most discriminating music lover. Ready to record stereo or mono program material, sound-on-sound, etc. Provides full-fidelity playback through your music system. Independent playback preamps and third head let you monitor directly from tape. Front-panel mike inputs. Dual VU meters. Automatic stop switch. Tape counter. "Erase Protek" prevents accidental erasure. Multiplex filter. **Response:** ±3 db, 30-18,000 cps at 7½ ips; 30-12,000 cps at 3¾ ips. **Flutter-Wow:** under 0.2% at 7½ ips. **S/N:** 55 db. 13x13x6¼". Requires 12½" square cutout. Less 1500 base, above. For 110-120 v., 60 cycle AC. Shpg. wt., 25 lbs.

79 RU 401-G. *$14 Monthly*.................... **271.95**

79 RU 323-G. Model 880 Portable Recorder. Similar to above, but also has built-in, 4-watt transistorized stereo amplifier, 2 wide-range speakers, carrying case. 14½x20½x8½". Wt., 48 lbs..... **340.00**

Stereo Tape Recording Components

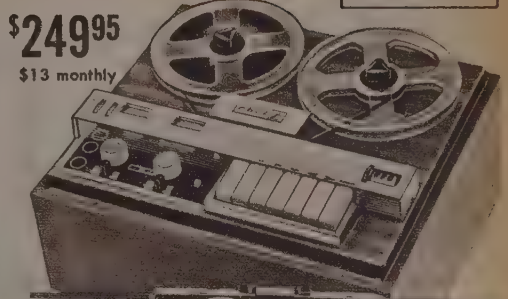
Bell

Model T-347 Stereo Tape Deck

Professional-quality at an economy price. Records 4-track stereo and monophonic tapes. Plays them back through any music system or stereo headset. Separate record and playback preamps and 3 separate heads (erase, record and playback) permit "Duo-Sound," echo effects, sound-on-sound, and direct tape monitoring. Keyboard controls select 7½ and 3¾ ips and other operating modes. Boasts 3 heavy-duty, 4-pole motors, and positive-action electro-dynamic braking. Automatic shutoff. Index counter. Stereo headphone jack. Dual illuminated VU meters. **Response:** ±3 db, 40-16,000 cps at 7½ ips. **Flutter and Wow:** below 0.2% at 7½ ips. **Signal/Noise:** 50 db. Takes up to 7" reels. For custom-mounting either vertically or horizontally. Wood-grained finish, chrome trimmed. 15¼x13½x7". Less mike and base. For 110-120 v., 60 cycle AC. Wt., 29 lbs.

79 RU 497-G. *Was $299.95 in Last Year's Catalog* . .249.95
79 RX 574-G. **WSB-1 Walnut Base.** With slides. 8 lbs. **24.95**

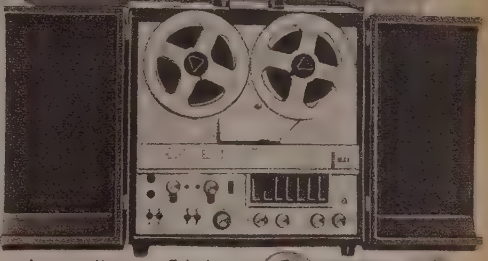
$249.95
$13 monthly

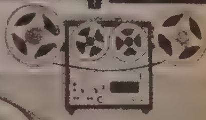


Model RT-360 Stereo Recorder/Duplicator

Recording studio facilities in a portable home recorder! Make 4-track hi-fi stereo and monophonic recordings at 7½ and 3¾ ips. Record sound-on-sound, add echo effect with built-in control that puts in any amount of reverberation you like—and, (with Accessory Motors below) copy previously recorded tapes without extra taping equipment. Includes all the deluxe features of Model T-347, described above. Contains a powerful 16-watt stereo amplifier and detachable twin speaker systems that can be separated for maximum stereo effect. Great for P.A. use, too. **Response:** ±3 db, 40-16,000 cps at 7½ ips. **Flutter and Wow:** under 0.2% at 7½ ips. **Signal/Noise:** 50 db. 16x16x11⅝". Less mike, optional motors. For 110-120 v., 60 cycle AC. Shpg. wt., 51 lbs.

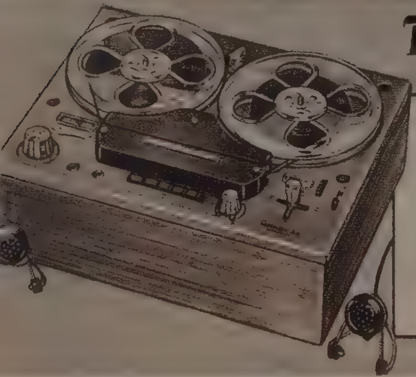
79 RU 968-G. *$17 Monthly* 359.95
79 RU 573-G. T-367 Deck. Above, less amp./spkrs. 31 lbs. **295.95**
79 RU 969-G. **Accessory Motors.** Less reels. Wt., 9 lbs. . . .**49.95**





Accessory Motors . . . Take Large 10½" Reels . . . for Extended Playback, Continuous Recording, Tape Duplicating

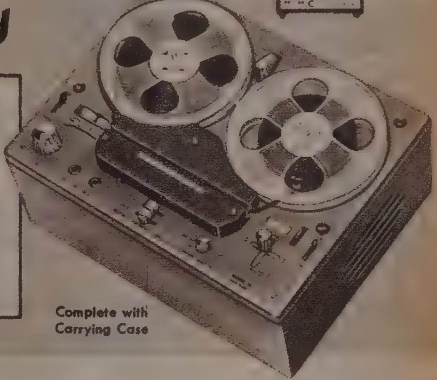
Tandberg



Tape Recorders of Distinction

World-Renowned for Better Sound

Precision-Made in Norway



Complete with Carrying Case

Model 64 4-Track Stereo Tape Deck

$498.00
$21 monthly

- Records and Plays 4-Track Stereo and Mono
- Hysteresis-Synchronous Drive Motor
- Three Speeds—7½, 3¾, and 1⅞ ips
- Three Separate 4-Track Tape Heads

Brilliantly engineered stereo deck providing maximum versatility and operational convenience. Precision laminated heads, plus 2 record and 2 play preamps deliver extraordinary hi-fi performance. Incorporates multiplex filter, sound-on-sound, echo, monitor, automatic tape stop and remote control. Has start-stop-pause control. **Response:** ±2 db, 30-16,000 cps at 7½ ips; 40-11,000 cps at 3¾ ips; 50-5500 cps at 1⅞ ips. **Flutter & Wow:** under 0.1% at 7½ ips. **S/N:** 55 db. Cathode-follower outputs. 6x16x12". May be custom-mounted in vertical position. With wood base. Less mikes. For 110-120 v., 60 cycle AC. Shpg. wt., 30 lbs.

79 RU 488-G. *$21 Monthly* 498.00
79 RU 489-2G. 64-1. Above, with carrying case. 36 lbs. .**519.00**
79 R 446. **22-FP Foot Pedal.** Remote start-stops. 3 lbs. **18.00**
79 R 439. **CM-6 Mike.** 30-12,000 cps. 12' cable. 4 oz. **15.00**

New Model 74B 4-Track Stereo Tape Recorder

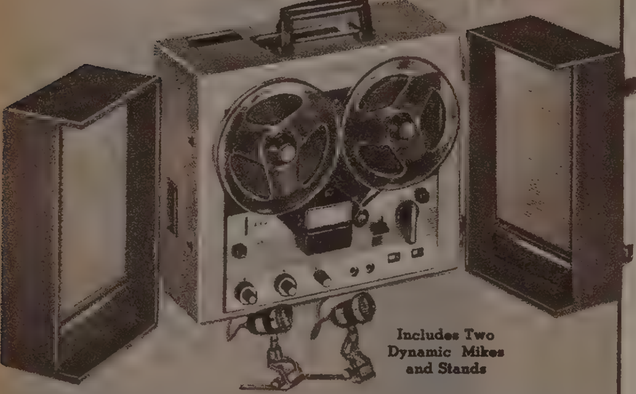
$449.50
$20 monthly

- Complete Stereo and Mono Record/Play with Stereo Amplifier and 7x4" Speakers
- Three Speeds • Three Separate Heads
- Superb Fidelity • Asynchronous Motor

The 74B complete stereo tape system upholds Tandberg's reputation for excellence. Matched speakers, stereo power amplifier, stereo record and play preamps, plus new achievements in operating convenience are built in this lightweight unit. Has monitoring and sound-on-sound facilities. Automatic tape-stop, and pause control. Cathode-follower outputs, center-channel output. Jacks for external speakers. Separate hi-Z inputs for mikes, and radio-phono. 4-digit illuminated counter. Provision for slide-projector sync. **Response:** ±2 db, 30-16,000 cps at 7½ ips; 40-10,000 cps at 3¾; 55-5000 cps at 1⅞. **Flutter & Wow:** 0.15% at 7½ ips. **S/N:** 55 db. Includes teakwood base, luggage-type carrying case (not illustrated), and takeup reel. Less mikes (left). For 110-120 v., 60 cycle AC. Shpg. wt., 33 lbs.

79 RU 596-G. *$20 Monthly* .449.50

Tape Recorder Values—More For Your Money



Includes Two Dynamic Mikes and Stands

- **Records and Plays Stereo and Monophonic Tapes**
- **Two Detachable Extended-Range Speakers**
- **Two Record-Level Indicators; Pause Lever**
- **Convenient Digital Counter**

$179⁹⁵
$9 monthly

Value-Packed 4-Track Portable Stereo Recorder

Another great Allied value—high quality at lowest cost—in a 2-speed portable stereo recorder. Has pushbutton speed selector. Records and plays 4-track stereo and monaural tapes at 7½ and 3¾ ips. Two wide-range 6x4" speakers are mounted in detachable baffles—permts maximum channel separation. Records in horizontal or vertical position—from mikes, radio, TV or phono; Deluxe features include: Digital counter for simplified editing and cuing; pause lever; two record-level indicators for professional recordings; fast forward; tone controls; instant stop; safety lock to prevent accidental erasure of recorded material.

Frequency response: 60-12,000 cps at 7½ ips. Size, 12¾x13½x10⅞". In handsome, luggage-type carrying case. Supplied complete with two dynamic mikes and desk stands, 7" reel of tape and 7" take-up reel. For 110-120 volts, 60-cycle AC. From Japan. Shpg. wt., 47 lbs. Shipped express.
79 RU 934-G. *$9 Monthly*.......179.95

Case Top Has Built-In Speaker

Mike Is Actually 2-in-1 Mike For Stereo

Norelco® Continental '401' 4-Speed Stereo Tape Recorder

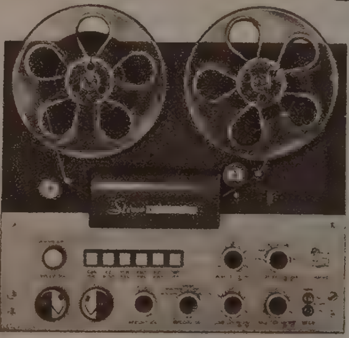
$299⁹⁵
$15 monthly

- **Facilities for Interesting Special Effects**
- **4-Speed, 4-Track Stereo and Mono Operation**
- **Solid State Circuitry gives Instant Response**
- **Complete Stereo Recording System**

OUTSTANDING ALL-TRANSISTOR VALUE

Exciting versatility comes built into this all-transistor stereo tape recorder. Its sensational multiplay and mixing facilities let you record one track and playback another simultaneously for unlimited special effects, background music, duets, dubbing, language study and much more. It's an entire stereo recording system including 2 preamps, 2 amplifiers, 2 speakers and a stereo mike. 4-track stereo and mono operation at 4 speeds (7½, 3¾, 1⅞, $\frac{15}{16}$ ips). Up to 32 hrs. of record/playback time on 7" reel. Other features: solid state circuit for instant sound without heat; pause control for temporary stopping of tape to preset level, to cue speakers or avoid unwanted sounds; ganged stereo controls; level meter; dual-element stereo mike; 4-digit counter; automatic tape-end stop; monitoring output. 15x18¼x10". With stereo mike, 3 patch cords, 7" take-up reel and 5" reel of demonstration tape. For operation from 110-120 v., 60 cycle AC. Shpg. wt., 45 lbs.
79 RU 371-G. *$15 Monthly*........................299.95

EICO



Professional Quality Tape Deck Kit

- **Dual Track**
- **Stereo/Mono**
- **3 Heads**

- **3 Motors**
- **2 Level Meters**
- **Dual Speed**

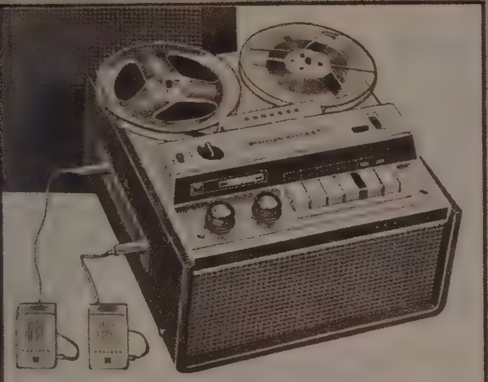
Model RP-100K 2-Speed Solid State Stereo Tape Deck Semi-Kit

$299⁹⁵
Semi-Kit

- **8-Transistor Stereo Record Preamp**
- **6-Transistor Stereo Playback Preamp**
- **Electric Pushbutton Control**
- **DC Electrodynamic Braking**

Professional-quality 2-speed stereo tape deck with easy-to-assemble transistorized record/play preamps. Incorporates an 8-transistor stereo record preamp and a 6-transistor stereo playback preamp. Signal-to-noise ratio: 55 db. 3-head design for 4-track stereo and monophonic record/play, 2-track stereo and monophonic playback, plus direct monitoring, and sound-on-sound recording. Hysteresis-synchronous capstan-motor, 2 four-pole reel-motors, DC electrodynamic braking automatic, solenoid-operated tape lifters, two recording level meters, separate mixing-type mike and high-level inputs. **Response** (±2 db): 30-15,000 cps at 7½ ips, 30-10,000 cps at 3¾ ips. **Wow and Flutter:** 0.15% at 7½ ips; 0.2% at 3¾ ips. All-electric pushbutton control. Takes 7" reels. 13$\frac{5}{16}$x15⅞x7¼". For 110-120 v., 60-cycle AC. Wt., 51 lbs.
79 RZ 480-G. *$15 Monthly*............................299.95
79 RZ 479-G. Model RP100W. As above, but fact.-wired. **450.00**
79 RX 916. CC-2 Case for Deck. Charcoal. 13 lbs........**29.95**

Concord Stereo and Monophonic Tape Recorders

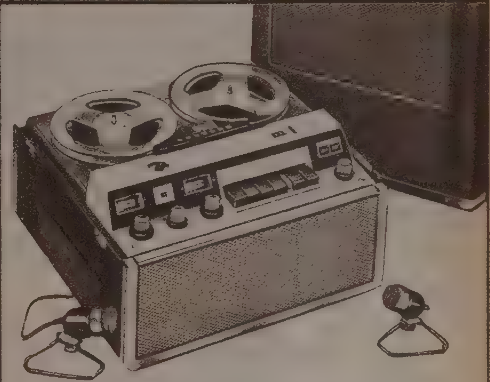


New Model 440 Stereo Tape Recorder

$179.50
$9 monthly

- **Newest Transistorized Model**
- **Push-Button Operation**
- **Four Inputs and Four Outputs**
- **Supplied With Two Mikes**

Outstanding transistorized tape recorder. Push-button operation throughout. 7½, 3¾ and 1⅞ ips. Records and plays back through its own stereo speakers, or through any external hi-fi system. Includes facilities for sound-with-sound and other special effects. Signal-noise ratio, better than 40 db per channel. Separate mike and radio inputs; outputs for playing through your hi-fi system or external speakers. Record and playback level indicators. Digital-type counter. Response: 50-15,000 cps at 7½ ips. Wow and flutter, less than 0.2% at 7½ ips. Size, 20x20x16". With two dynamic mikes, 2 patch cords for recording, 1 extension speaker patch cord. From Japan. Shpg. wt., 48 lbs.
79 RU 996-G. *$9 Monthly*.................. 179.50

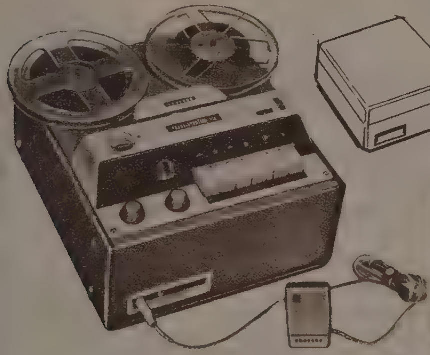


Model 884 Stereo Tape Recorder

$299.50
$15 monthly

- **4-Track Record and Playback**
- **Three Separate Heads**
- **15-Watt Stereo Amplifier**
- **Two 8" Speakers**

Transistorized version of the famous Concord Model 880—4-track stereo and monophonic recorder. Features 4 separate preamps; separate record, playback and erase heads; digital counter; level controls on each channel; instant stop; outputs for external amplifiers and speakers; automatic shut-off; tape lifters; sound-on-sound switch. Has 15-watt amplifier and two 8" speakers; pushbutton controls. Response: ±3 db, 50-15,000 cps at 7½ ips. Signal-noise ratio: 45 db. Size, 11x15½x17". Complete with 2 dynamic mikes and desk stands, patch cords, 7" take-up reel and splicing tapes. For operation from 110-120 volts, 60 cycle AC. Imported from Japan. Shpg. wt., 43 lbs.
79 RU 990-G. *$15 Monthly*.................299.50



Model 220T Deluxe Portable Recorder

Advanced design, 3-speed monophonic tape recorder, loaded with functional features. Includes pushbutton controls for rewind, stop, fast forward, play, record and cue/edit modes. Also has volume and tone controls, "magic eye" recording indicator, digital counter and radio-phono input. Completely transistorized preamps. Varisync flutter-free drive motor. Automatic pressure roller disengagement. Extended range speaker. Response: 40-15,000 cps at 7½ ips. Lightweight and compact; measures 7½x12x13". Weighs just 22 lbs. With dynamic mike, earphone, 7" take-up reel, and radio-TV patch cord. Gray and white. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 29 lbs.
79 RU 494-G. *$6 Monthly*.................................119.50

Complete
$149.50
$8 monthly

Model 330 Voice-Actuated Portable

Sound starts it, silence stops it! Automatically starts recording when sound source is picked up—stops when sound ceases. With special sensing tape, the 330 stops at designated points throughout reel. Has Automatic Slide Advance and Automatic Movie Sync. Dual speed: 1⅞ and 3¾ ips. Fully transistorized. VU meter and battery-condition indicator. 3¾x12x8¾". With remote control start/stop mike, leather pouch, earphone, self-threading take-up reel, sensing tape, batteries (uses 6), slide projector plug. From Japan. Shpg. wt., 15 lbs.
79 RX 994-G. *$8 Monthly*...............................149.50
80 R 186-G. AC Adapter. Shpg. wt., 2 lbs.................**14.95**
55 J 868-G. Extra Batteries. Shpg. wt., 5 oz...........**4 for 64¢**

KNIGHT

Deluxe Stereo Tape Equipment

- Custom-Engineered to Mount in Control Panel of KN-4000A
- Illuminated VU Meters

New Solid-State Stereo Record/Play Modular Preamp

Transistorized record/play modular preamp matches the professional performance of the KN-4000A. Together they offer everything you need to play *and record* 4-track stereo and mono tapes. Also permits playback of tapes with amplifiers not having tape-head inputs. Features separate controls for each channel; twin, illuminated VU meters; switch selected sound-on-sound or echo. Monitor jack permits direct tape listening. **Response:** ±3 db, 40-17,000 cps at 7½ ips (40-13,000 cps at 3¾ ips). S/N: 50 db. Inputs for low-medium impedance mikes, high-level phono-tuner; amplifier output and low-impedance stereo headphone jack. 5¼x12½x6⅝". With 4 connector cables and mtg. hardware. For 110-125 v., 60 cycle AC. 6 lbs.

79 RX 895-G. *$6 Monthly*.................... **119.95**

Custom Stereo Record/Play Transport

- Professional Features Permit Addition of "Echos," Sound-on-Sound, Add-a-Track, Other Special Effects
- 30-17,000 cps Response for Exciting Hi-Fi Realism
- Positive DC Dynamic Braking Prevents Tape Damage
- Records 4-Track Stereo or Mono with KN-4003 Preamp

New Model KN-4000A . . now improved to bring you even more professional features, more value than other 4-track transports in its price range. Simply connect it to your amplifier's tape head inputs, and you're ready for the incomparable realism of prerecorded stereo tapes. Boasts three separate record, play, and erase heads for maximum versatility and direct-tape monitoring.

Belts, pulleys and levers have been "engineered out" of the KN-4000A. All parts are easily accessible. Entire unit is built for simplest installation, operation and maintenance. What's more, if you ever wish to add a built-in transistorized record/play preamp, you just remove a special cover plate, and install the optional KN-4003 Modular Preamp (at left).

DC dynamic braking assures instant, but gentle reel stops . . no tape spillage or damage. Transport automatically stops when tape runs out. Digital counter. Has 7 "Piano Key" controls; Tape Speed (7½, 3¾ ips); Off-On; Run; Fast Forward; Reverse; Standby. **Frequency Response:** ±3 db, 30-17,000 cps at 7½ ips. **Flutter and Wow:** 0.2% at 7½ ips. **Signal-to-Noise Ratio:** 50 db. Includes 2 audio output cables, 7" takeup reel. 13½x15¼x7" deep. For 110-120 v., 60 cycle AC. Shpg. wt., 23 lbs.

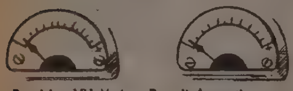
79 RU 899-G. *$7 Monthly*.................... **129.95**

Carrying Case for KN-4000A/KN-4003

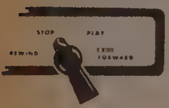
For portable use. Ample room for accessories. 18½x8¾x16½". 18 lbs.

79 RU 859-G. *$5 Monthly*.......... **24.95**

SPECIAL FEATURES



Precision VU Meters Permit Accurate Record-Level Settings for Each Channel



Convenient Single Knob Control Instantly Selects Rewind, Stop, Play, Fast-Forward

Digital-Type Counter Aids in Cuing, Editing and Indexing Tapes for Locating Individual Selections

Optional: Handsome Scuff-Proof Carrying Case with Detachable Front Cover for Portable Use

Professional-Quality 2-Speed Stereo Tape Deck

- Built-In Record/Play Preamps
- 4-Track Record/Play and Erase Heads
- Two Speeds—7½ and 3¾ ips
- 50-15,000 cps Response at 7½ ips
- Records Stereo Multiplex
- Convenient Front-Panel Microphone Inputs
- Extremely Compact
- Easily Custom-Mounted Vertically or Horizontally

New Model KN-4401 boasts professional-quality at a remarkable low price. Pleasing modern styling complements any custom high-fidelity installation. Add this precision-built tape deck to your music system and thrill to the full potential of taped stereophonic sound. Provides complete 4-track stereo and monophonic tape facilities.

Includes deluxe laminated 4-track record/play head and double-gap erase head. Built-in stereo record/play preamps with dual VU meters for precise recording-level settings. Digital tape counter with reset knob. Single knob control selects fast-rewind, stop, play or fast-forward. Just touch a button to change speeds—7½ or 3¾ ips. Controls: record-play-off; volume 1 and 2; stereo-mono; mike/tape-head. Inputs: mike/tape-head 1 and 2; high-level 1 and 2 (at rear).

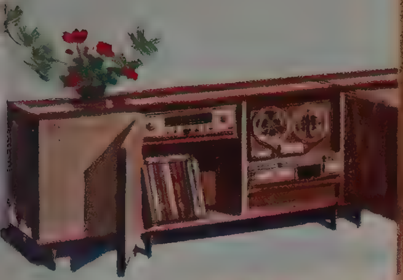
Response: ±3 db, 50-15,000 cps at 7½ ips; ±3.5 db, 50-10,000 cps at 3¾ ips. **Flutter and Wow:** less than 0.2% rms. **S/N:** better than 40 db. Takes 7" reels. Perfect for custom installation . . only 13x13x6¼". Requires 12½" square cutout. Less base. For 110-120 v., 60 cy. AC. 31 lbs.

79 RU 860-G. *$9 Monthly*.................... **169.95**

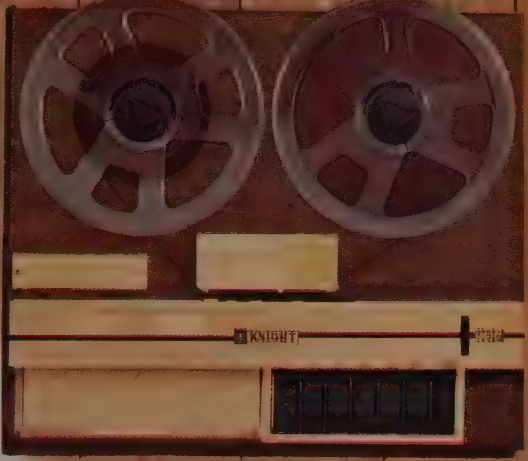
79 RU 871-G. Carrying Case. Cream and beige. 16x14x8". 18 lbs...... **19.95**

79 RU 857-G. Walnut Base. 13½x13½x6½". 4 lbs.................... **15.95**

Handsome, Custom-Quality KN-4000A Stereo Tape Transport with Professional Features



KNIGHT



SOUND-ON-SOUND

and Other Special Effects are Easy to Record when Used with the KN-4003 Preamp

3 MOTORS . .

Efficient Heavy-Duty, High-Torque Type

3 TAPE HEADS . .

for 4-Track Erase, Record and Playback

7 PUSHBUTTON CONTROLS

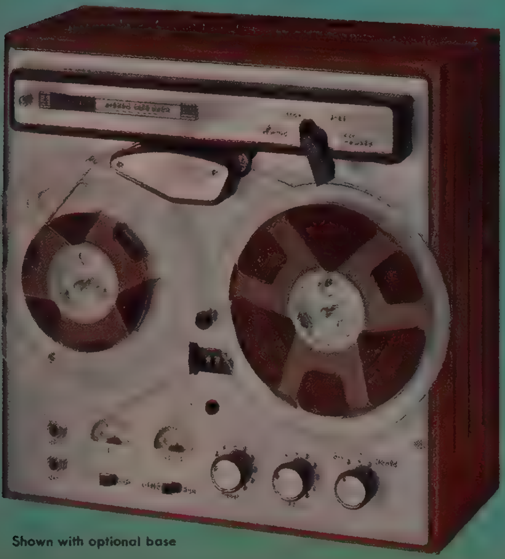
KN 4000A

NEW STEREO RECORD/PLAY TRANSPORT

DeLuxe **$129.95**

$7 monthly

Finest Functionally Styled Stereo Hi-Fi Transport Available at this Low Price!



Shown with optional base

KN 4401

NEW STEREO RECORD/PLAY TAPE DECK

VALUE-PLUS **$169.95**

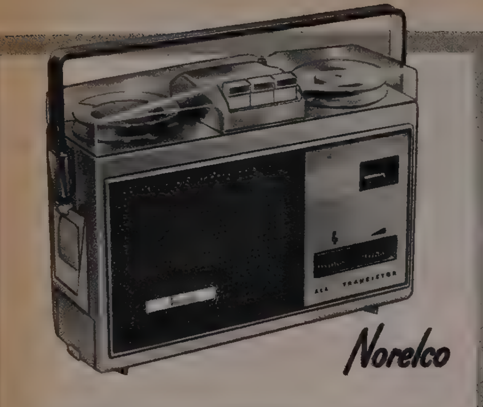
$9 monthly

Outstanding Performance from a Compact, Precision-Built Deck . . Priced Below Other Makes of Comparable Quality

Make Amazingly Realistic Stereo Music Recordings

Loads of Fun, Dozens of Uses for the Family

Latest Model Portable Tape Recorders . . .



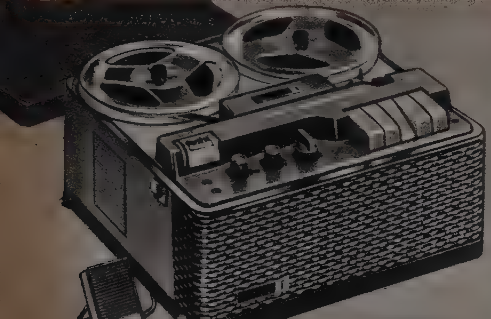
New! "Continental 101" Deluxe Portable

$99⁵⁰
$5 monthly

- Battery-Operated • Solid-State Circuit
- 1⅞ ips Constant-Speed Capstan Drive
- Makes 3-Hour Mono Tapes on 4" Reel
- Operates on AC with Optional Adapter

All-transistor recorder that's as easy to operate as a portable radio. Uses just 6 low-cost flashlight batteries. Adapter (below) also lets you operate recorder from AC to make good-quality tapes of music, as well as voice. Capstan-drive maintains constant speed for playback on other 2-track 1⅞ ips recorders. Bass/treble control. Record-level/battery life meter. Automatic tape lifters. Pushbuttons control record, play, fast rewind. Strong plastic case, 8x11x3¾". With dynamic mike, patch cord, batteries (uses 6). From Holland. 9 lbs.

79 RX 997-G. *$5 Monthly*.................. 99.50
55 J 868. Extra Batteries. 1 lb....... Pkg. of 4 for 64¢
80 R 106. AC Adapter. For 110 v., 60 cycle. 3 lbs. **19.95**



CIPHER I

$99⁹⁵
$5 monthly

3-Speed Portable With Luggage-Style Case

Convenience, smart styling and easy portability highlight this 2-track monophonic recorder. Positive-action pushbutton controls select rewind, stop, fast-forward, play and record. Safety button prevents accidental erasures. Includes: tape lifters, digital counter, "eye-type" record-level indicator, input jacks for mike, radio-phono-TV, 6x4" speaker. Speeds: 7½, 3¾ and 1⅞ ips. Response: 70-10,000 cps at 7½ ips. Beige-toned luggage-style wood case. 6½x13⅞x13". With dynamic mike, 7" take-up reel, splicing tape, earphone, patch cords. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 32 lbs.

79 RU 910-G. *$5 Monthly*.................. 99.95

A New! "Impresario" 2-Speed Portable

- Operates at 7½ ips for Music, 3¾ ips for Speech Recording
- Big 7" Reel Capacity—Even Handles ½-mil Triple-Play Tape
- Extended-Range Response of 70-15,000 cps at 7½ ips
- Easy-Read Linear "Magic-Eye" Record-Level Indicator
- Instant-Action Function Controls • Handy Digital Counter
- Integral Cast-Aluminum Frame for Rugged Chassis Protection

New from Allied . . . superior quality in a 2-track monophonic recorder at an economy price! The "Impresario's" outstanding good looks is surpassed only by its convenience-designed features and deluxe performance. Records from any source—full-frequency dynamic microphone (supplied), FM, phono, TV, or other recorder. Output jacks give you a wide choice of playback—through self-contained 4x6" clear-toned speaker; private-listening earphone; external speakers; or separate hi-fi or P.A. systems.

High-performance circuit with heavy-duty power transformer provides peak output for use as a small, portable P.A. system. Records over 6¼ hours on a single 7" reel of 3600-ft. tape (both tracks at 3¾ ips speed). Controls include sure-grip record/play and rewind lever with pushbutton fast-forward and safety record-lock; dual-concentric volume and bass/treble tone controls; speed-selector for 7½ and 3¾ ips; and digital counter with reset knob.

All-steel vinyl coated case, 6x14x14". With dynamic mike, earphone, 7" reel of standard tape and 7" take-up reel. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 25 lbs.

79 RU 995-G. *$5 Monthly*.......................... 79.95

B New! Runs on Batteries or AC— 5" Reels

- Operates from 4 Low-Cost "D" Batteries or AC House Current
- Switch-Selected 1⅞ and 3¾ ips Speeds • Dual-Track
- Constant-Speed Capstan Drive • Remote-Control Dynamic Mike
- Records Vertically or Horizontally • 5" Reel Capacity
- Pushbutton Controls • Record-Level and Battery Strength Meter
- Versatile—Complete Array of Input and Output Jacks

Compact and lightweight design makes this portable easy to carry. And, with self-contained batteries and built-in AC adapter, you can record on-the-spot *wherever* you are. Records up to 4½ hours on single 5" reel of 1200-ft. of tape (both tracks at 1⅞ ips). Microphone has start-stop switch for added convenience. It's great for recording lectures, taking notes, correspondence, inventories, and other valuable applications.

Plays through its own excellent-tone 2½x4" oval speaker, private-listening earphone, or external speaker. Records from mike, or high-level audio sources—radio, phono, TV. Simple to use "keyboard" controls for Record/Play, Stop, Fast-Forward, and Rewind. Also has Record-Safety button and AC-On indicator light.

Die-cast aluminum-zinc frame secure chassis and motor. High-impact plastic case, only 3½x12x10½". With dynamic mike, earphone, 5" (600') reel of tape, take-up reel, batteries. For battery and 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 14 lbs.

79 RU 998-G. *$5 Monthly*.......................... 79.95
55 J 868. Extra Batteries. (Uses 4). 1 lb........ Pkg. of 4 for 64¢

C All-Transistor 2-Speed Portable

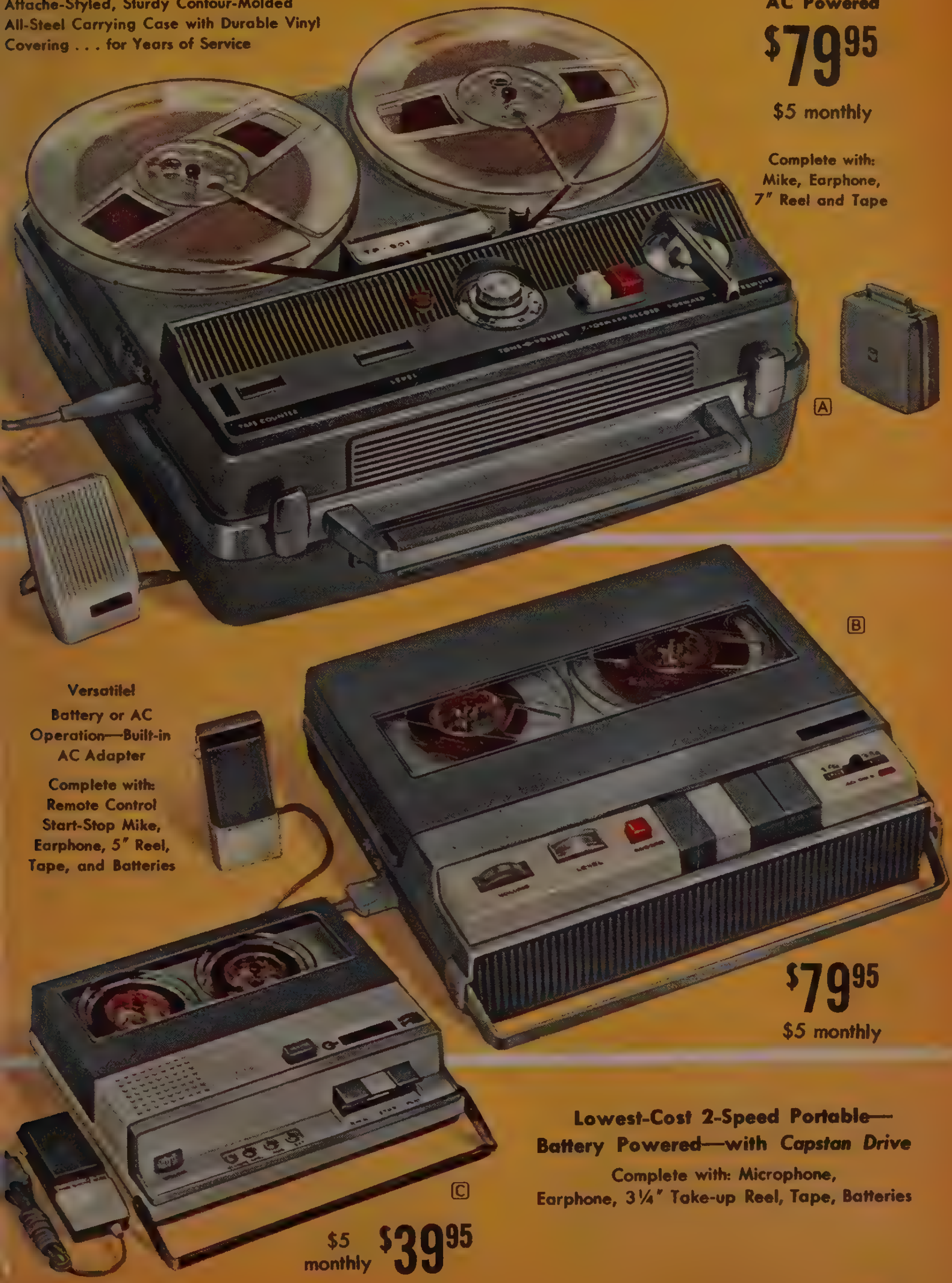
- Powered by 4 Inexpensive Flashlight Batteries
- Record Wherever You Are—In Your Car, Classroom, Office
- Start-Stop Switch on Remote-Control Mike • AC Adapter Optional

Our lowest priced portable with *capstan drive*—tape speed compatible with AC powered recorders. Perfect for correspondence. Lets you exchange tapes with others for playback on any 2-track monophonic recorder with 3¾ and 1⅞ ips speeds. Records up to two hours (both tracks) at 1⅞ ips on a 600' of tape. You get "big recorder" features too—pushbuttons control play, stop, rewind and record. Record-level indicator also serves as battery-condition meter. Inputs for recording from microphone, radio, TV or phono. Built-in speaker, plus outputs for external speaker and earphone. Operates vertically or horizontally. Window in case lets you see amount of tape on reels with lid closed. 3¼" reel capacity. 2½x9½x8". With mike, earphone, batteries. 3¼" take-up reel, 200-ft. reel of tape. Not recommended for music. From Japan. 6 lbs.

79 RX 999-G. *$5 Monthly*.......................... 39.95
55 J 865. Extra C Batteries. Uses 4. 4 oz....... Pkg. of 2 for 26¢
80 R 189-G. AC Adapter. For 110 v., 60 cycles. 3 lbs..... **12.95**

Enjoy a Tape Recorder Now..Use Your Allied Credit Fund

to Meet Your Needs—Priced for Every Budget



A Attache-Styled, Sturdy Contour-Molded All-Steel Carrying Case with Durable Vinyl Covering . . . for Years of Service

AC Powered

$79.95

$5 monthly

Complete with:
Mike, Earphone,
7″ Reel and Tape

B Versatile!
Battery or AC
Operation—Built-in
AC Adapter

Complete with:
Remote Control
Start-Stop Mike,
Earphone, 5″ Reel,
Tape, and Batteries

$79.95

$5 monthly

C Lowest-Cost 2-Speed Portable—
Battery Powered—with *Capstan Drive*

Complete with: Microphone,
Earphone, 3¼″ Take-up Reel, Tape, Batteries

$5 monthly **$39.95**

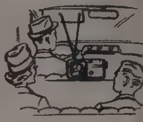
Solid-State Portable TV Tunes All Channels

NOW! BRIGHT 4½-INCH* PERSONAL-SIZE PICTURES . . . FROM BATTERIES OR AC

"Gadabout" TV

only 8½ lbs.

Including Batteries and Built-in Recharger



COMPACT . .
5 inches High
8¼ inches Wide
8 inches Deep

Carry It From Room to Room

- **Self-Contained Alkaline Batteries Operate Up to 8 Hours per Charge**
- **Static-Free FM Sound System**
- **UHF-VHF Tuner Receives All Stations in Your Area . . . Present and Future**
- **30 Transistors and 32 Diodes**

Your *personal* portable for TV enjoyment in every way. See whatever you want, indoors or out, at home or away. This incredibly light and compact set weighs a mere 8½ pounds, including batteries and a built-in recharger! Rectangular 4½" screen gives you bright razor-sharp pictures with clean whites and bold, contrasting blacks.

UHF-VHF tuner is built to receive all 82 channels. Deluxe set has AFC, keyed AGC and noise limiter circuits hold the picture steady, despite signal fluctuations, for hour after hour. Economical to operate, too . . . low-drain circuit gives you excellent reception for up to 8 hours on a single battery charge. Self-contained alkaline batteries (uses 3) can be recharged overnight. Versatile set can even be operated from the 12-volt battery in your car or boat with the optional Power Cord, below, or from any 110-120 v., 60 cycle AC outlet. (Set includes a cigarette-pack-size AC adapter, not illus.)

Carrying handle doubles as an adjustable stand for best viewing position. Twin telescoping antennas. Channel-indicator window. Built-in speaker, plus earphone for private listening. With batteries. From Japan. (*Overall diagonal measurement.) Shpg. wt., 15 lbs.
24 SC 343-G. Shipped express. *$9 Monthly*.......................................169.95

24 SC 342-G. Carrying case. Shpg. wt., 2 lbs.......................................**6.95**

24 SC 345-G. Power Cord. Fits cigarette lighter receptacle usd in most cars and boats. Shpg. wt., 12 oz.......................................**3.95**

24 SC 346-G. Extra Batteries. Shpg. wt., 3 lbs..................**Package of 3 for 10.95**

FM-AM Radios for Every Taste and Budget

A Hi-Fi Stereo Multiplex FM/FM-AM Shelf Radio

- **6½" Speakers in Detachable Enclosures**
- **Handy "Stereo Eye" Tuning Indicator**
- **Continuous Balance and Tone Controls**

Smartly styled radio receives exciting stereo multiplex FM, and standard FM-AM. Delivers high-fidelity music through two wide-range 6½" speakers. Modern "Swing-Up" enclosures are detachable for really w-i-d-e channel separation. "Stereo Eye" indicator, ensures proper tuning for optimum reception of stereocasts. FM-stereo switch automatically "blocks out" monophonic FM for quickly finding stations transmitting in stereo. Continuous tone and channel-balance controls adjust sound to your taste and room acoustics. Wood cabinet has popular walnut finish. With two 24" speaker cables. 7¾x35½x6¾" (opened). For 110-120 volts, 60 cycle AC. From Japan. Shpg. wt., 22 lbs. Shipped express.
24 SU 246-G. *$5 Monthly*.........99.95

B Deluxe FM-AM Radio With Rich Fruitwood Veneer

- **Our Best Monophonic FM-AM Table Radio**
- **Automatic Frequency Control Circuit**
- **6½" Speaker** • **Tone Control**

A low-priced radio for the high quality of sound and appearance offered. Delivers clear, static-free FM—and AM broadcasts come through crisp and clean. Mellow tone is ensured by wide-range, 6½" speaker. Continuous tone control permits adjustment of treble. Automatic frequency control keeps FM stations locked in for uninterrupted listening pleasure. Built-in AM antenna. External wire antenna brings in local FM. Tuning is easy and quick with large slide-rule dial. In fruitwood veneer. Hardwood cabinet makes a decorative piece for any room. Has hand-rubbed finish, metal trim. Size, 9x17⅜x6⅛". For 110-120 volts, 60 cycle AC. From Japan. Shpg. wt., 13 lbs. Shipped express.
24 SU 247-G. *$5 Monthly*.......59.95

C FM-AM Table Model With Contemporary Design

- **Large 5" Speaker** • **Tone Control**
- **Hand-Rubbed Hardwood Cabinet**
- **AFC Circuit for Drift-Free FM**

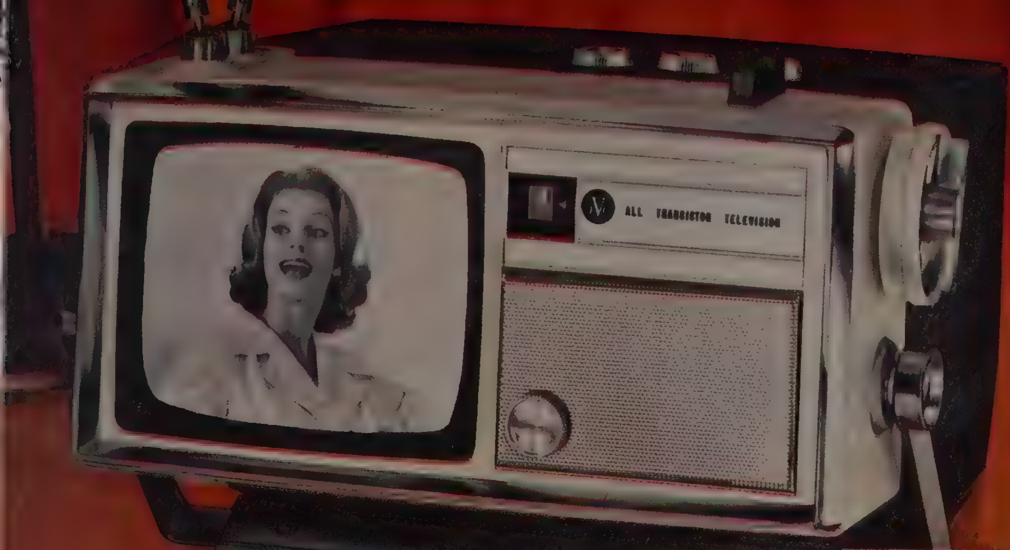
Low in cost, yet offers excellent FM-AM performance and modern decorative styling. You'll enjoy the excellent tonal quality of static-free FM broadcasts. And AM reception is crisp and clear—just the way you like it. Listen to FM as long as you like without experiencing "station drift"—AFC circuit keeps stations locked in. Speaker's response is unusually wide. No fumbling for the station you want—the giant slide-rule tuning dial zeros in on stations in a hurry. Built-in AM and line-cord FM antennas pull in local stations loud and clear. Hardwood cabinet is finished in walnut veneer, and hand-rubbed. Size, 8 3⁄16x16⅛x6 3⁄32". For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 9 lbs.
24 SX 248-G. *$5 Monthly*.......49.95

Wake Up Pleasantly with an FM-AM Clock Radio

Let the pleasing sounds of FM or AM music rouse you gently in the morning. And go to sleep at night to soothing, tranquilizing music. Dependable Telechron clock automatically turns radio off (after any preset interval of up to 60 minutes) and turns it on in the morning. Buzzer alarm sounds 10 minutes later to arouse heavy sleepers. Vernier tuning, slide-rule dial. AFC locks in FM stations for stable reception. Clock hands are conveniently luminous. Built-in AM antenna, and external-wire antenna for FM. Antique white high-impact plastic cabinet, 5¾x13½x7". U.L. Listed. For 110-120 volts, 60 cycle AC. Shpg. wt., 10 lbs.
24 SX 241-G. *$5 Monthly*.......................................39.95

FM-AM Clock-Radio with Doze Button

Pleasantly wakens you in the morning with music, then buzzer alarm sounds after 10 minutes to arouse heavy sleepers. If you'd like an additional ten minutes rest, press the Doze Button and relax until the buzzer alarm sounds again. At night, radio automatically turns off after any pre-set interval of up to 60 minutes. Telechron clock has luminous hands. Continuous tone control. AFC ensures drift-free FM. Built-in AM antenna. External-wire antenna for FM. Simulated wood-grain plastic cabinet, 7x13½x5¾". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 7 lbs.
24 SX 249-G. *$5 Monthly*.......................................49.95

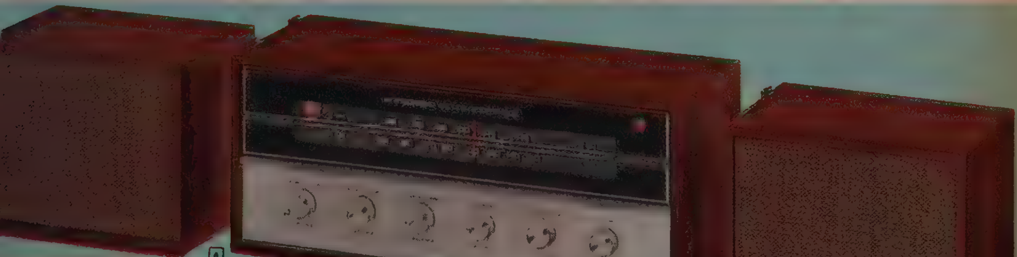


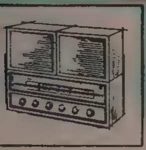
$169.95

$9 monthly

Everything Built In—
A Truly Portable TV
Tunes ALL CHANNELS from 2-83

Carrying Case optional



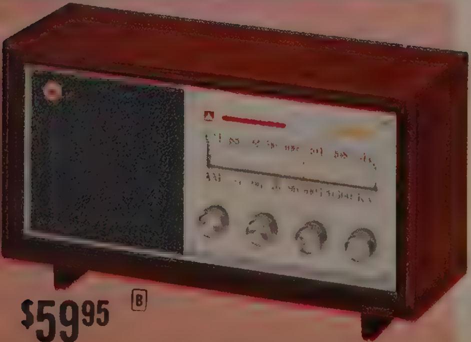


A

$99.95

$5 monthly

Our Best Table Radio
Receives STEREO FM, plus AM

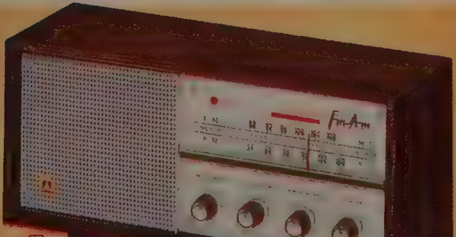


B

$59.95

$5 monthly

Deluxe FM-AM Performance



C

$49.95

$5 monthly

Ultramodern FM-AM

Portable Radios . . First in Fine Performance

Extra-Sensitive Portable Tunes AM and Shortwave

$\$19^{95}$
$5 monthly

- **8 Transistors • 10-1 Vernier Tuning**
- **Push-Pull Output for Unusual Clarity**
- **With Carry Case, Earphone, Batteries**

Unusually sensitive 2-band pocket portable. RCA-licensed circuit pulls in local AM broadcast stations, plus many far-away stations. Also tunes 4-12 mc for long-distance night-time reception of SW. Smooth 10:1 vern ierturning ratio. Ferrite AM antenna. 23" telescoping whip for SW; has jack for external SW antenna. With earphone, leather carrying case, batteries (uses 4). Black and ivory-color plastic cabinet. 7x4x2". From Japan. Shpg. wt., 1½ lbs.
24 SC 063-G. *$5 Monthly*.......................19.95
55 J 870. Extra Batteries. Wt., 4 oz.....**Pkg. of 2 for 20¢**

Super-Sensitive Deluxe AM Portable

$\$16^{95}$

- **9 Transistors Pull in Distant Stations**
- **Automatic Gain Control • Big Speaker**
- **Push-Pull Output for Higher Fidelity**

Our best AM portable radio. Push-pull output circuit and 2½x3½" oval speaker deliver outstanding tone and clarity for such a small radio. Exceptional sensitivity for "far-away" stations. Automatic gain control stage stabilizes reception . . . helps prevent fadeout even when radio is repositioned. Slide-rule dial and 10-1 vernier tuning ratio make station selection easy. Has Hi-Lo tone control. 9 transistors, diode, and thermistor. Black and ivory-color plastic case. 4¼x7¼x2¼". With leather carry case, earphone, and batteries (uses 4). From Japan. Shpg. wt., 3 lbs.
24 SC 071-G..............................16.95
55 J 870. Extra Batteries. 5 oz.........**Pkg. of 2 for 20¢**

A 11-Band FM-AM-SW-LW Portable

- **16 Transistors, 8 Diodes • Two-Speaker System**
- **Push-Pull Output • Tone Control • AFC on FM**
- **Receives Audio Portion of TV Channels 4-6**

Our best portable! Tunes 11 bands for extraordinary coverage. Receives static-free FM broadcasts and standard AM. Also tunes longwave (150-400 kc) for continuous aviation weather-casts and maritime and mobile services. Five shortwave bands cover 2 to 22.5 mc for international and Amateur stations. Hear private planes and airliners on 118-132 mc. Two other bands bring in audio portion of TV channels 4, 5 and 6. Fine-tuning control. Rotary selector snaps each of 11 separate tuning dials into view; one at a time. Mike/phono jack. With earphone, external plug-in antenna, batteries (uses 6). 8x13x5". From Japan. Shpg. wt., 13 lbs.
24 SU 251-G. *$5 Monthly*. Shipped express........99.95
55 J 865. Extra Batteries. Wt., 5 oz........**Pkg. of 2 for 26¢**

B FM-AM-SW Car-and-Portable Radio

- **Doubles as a Portable and Under-Dash Car Radio**
- **10 Transistors, 6 Diodes • Tone Control • 5" Speaker**
- **AFC for No-Drift FM • Slide-Rule Dial • Earphone Jack**

Versatile portable that can double as a car radio, by sliding into bracket (optional, see below) beneath dashboard. Operates off car antenna (but not off car battery). Receives static-free FM, plus AM. Also tunes shortwave for night-time listening. Vernier tuning is precise. Earphone jack. 5¾x9½x2⅝". With batteries (uses 4). From Japan. Shpg. wt., 5 lbs.
24 SC 072-G. *$5 Monthly*........................59.95
24 SC 074-G. Bracket. For under-dash mounting of above. With lock and key to prevent radio theft. 1 lb...........**9.95**
55 J 865. Extra Batteries. Wt., 5 oz........**Pkg. of 2 for 26¢**

C Ultracompact FM-AM-SW Portable

- **Only 3⅝x7⅛x2" • Telescoping Swivel Antenna**
- **8 Transistors and 4 Diodes • Large Oval Speaker**

Take this "3-bander" everywhere. Offers mellow, static-free FM, strong, clear AM, and night-time shortwave listening at a low price. Smart camera-style makes you a proud owner. Large, easy-to-read slide-rule dial. Whip antenna swivels 360° for best reception of all stations. Operates on AC with optional adapter, below. With earphone, leather earphone case, and batteries (uses 4). From Japan. Shpg. wt., 2 lbs.
24 SC 073-G. *$5 Monthly*........................49.95
24 SC 076-G. AC Adapter. Wt., 1 lb.................**5.95**
55 J 870. Extra Batteries. Wt., 5 oz........**Pkg. of 2 for 20¢**

D 11-Transistor FM-AM Portable with AFC

Economy price, quality performance. Delivers FM music with good tone through a 3½" speaker. AM broadcasts come through crisp and clear. AFC ensures FM reception without drift. 30" telescoping FM antenna swivels for best reception. Built-in ferrite-bar AM antenna. Jacks for earphone and auxiliary speaker, or an extra earphone. Handsome saddle-stitched leather covering. 7¼x10x3". With earphone for personal or late-at-night listening, and batteries (uses 4). From Japan. Shpg. wt., 5 lbs.
24 SC 067-G. *$5 Monthly*........................39.95
55 J 865. Extra Batteries. Wt., 3 oz........**Pkg. of 2 for 26¢**

E Low-Cost 10-Transistor FM-AM Portable

Modern circuit with 10 transistors, 3 diodes and a thermistor pulls in local FM and AM stations with impressive tone. Has precise thumbwheel controls, including continuous tone control. Earphone jack, built-in ferrite bar antenna for AM, and 27" telescoping whip antenna for FM. 3" speaker. High-impact plastic case, 4x8x2". With carrying case, earphone and batteries (uses 4). From Japan. Shpg. wt., 1¾ lbs.
24 SC 054-G. *$5 Monthly*........................26.95
55 J 870. Extra Batteries. Wt., 4 oz........**Pkg. of 2 for 20¢**

Our Best Portable!

11 BANDS GIVE YOU EXTENSIVE COVERAGE

A

Tunes FM, AM, Shortwave, Longwave, Amateurs, Airports, and even TV Sound

Handy Time-Zone Map of the World

Whip Extends to 72"

$\$99^{95}$

$5 monthly

Both a Car Radio and a Portable . . 3 Bands

B

FM-AM 3-BAND ALL TRANSISTOR

A Handsome Car Radio . . .

A Convenient Portable

$\$59^{95}$

$5 monthly

$\$49^{95}$

$5 monthly

C Our Smallest FM-AM-SW Portable

Low-Cost FM-AM Portables for Music, News and Sports Wherever You Go

Full-tone Speaker

E

$\$26^{95}$

$5 monthly

D $\$39^{95}$ $5 monthly

Lowest Cost 10-Transistor Portable

Radio Alone
$10⁹⁵
10
ALLIED

4-Pc. Outfit
$12⁹⁵

- Circuit: 10 Transistors, Diode, Thermistor
- Convenient Direct-Drive Tuning Dial
- Handy Easy-View Tuning Dial Magnifier
- Big 2½" Speaker
- Thumbwheel Controls
- Uses Only a Single Low-Cost Battery

ALLIED 10-Transistor Pocket Portable

Actually sells for less than many 8-transistor portables! You'll like its streamlined appearance, big sound and quick, easy tuning. Slips into your pocket for comfortable carrying. 10 transistors have good pulling power, and the sound comes through a quality 2½" speaker . . . you'll be impressed by the tone. Direct-dial tuning. Magnifier lets you pinpoint any station. Has a built-in ferrite-bar antenna. Flush thumbwheel controls. Case is high-impact styrene. Only 4½x2¾x1¼". From Japan. Shpg. wt., 1 lb.

24 SC 080-G. Radio Alone..10.95
55 J 999. 9-Volt Battery. Shpg. wt., 5 oz...............Pkg. of 3 for 79¢

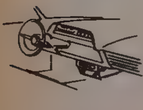
10-Transistor Radio with Accessories

For only $2.00 more, enjoy a complete outfit consisting of the high-powered portable above, plus a matching, genuine-leather carrying case, 9-volt battery, and earphone for private or late-listening. 1¼ lbs.
24 SC 075-G. Complete Outfit..**12.95**

All-Transistor Pushbutton Car Radios

IT'S A PORTABLE . .
IT'S A CAR RADIO!

New!



Makes a Smart Car Radio

Can Go Anywhere as a Portable

$79⁹⁵
$5 Monthly

Complete with FM-AM Antenna and Wide-Range 5x7" Speaker

Antenna and Speaker Included

$39⁹⁵
$5 monthly

AM Car-and-Portable Radio

$49⁹⁵
$5 Monthly

- Push-Pull Output Stage
- 6-Transistor Circuit
- Slide-In Car Cradle
- Retractable Handle

Two kinds of radio in one . . . at the price of one! Under-dash cradle installs in minutes . . . then just slide radio into cradle and make automatic contact with car's antenna and electrical system. Result: a powerful AM car radio. Slip it out of cradle and take it with you anywhere . . . plays on its own batteries. You'll never have to interrupt a sports, news or music program! No theft problems when you leave radio in the car—supplied with lock and key. Push-pull output stage ensures good fidelity and low distortion. Vernier tuning is quick and accurate. 3½x9½x9½". For 12 VDC, negative or positive. Less batteries. 10 lbs.

24 SX 250-G. *$5 Monthly*......49.95
55 J 865. Batteries. Uses 6. Shpg. wt., 5 oz..........Pkg. of 2 for 26¢

Deluxe FM-AM Radio

- AFC Circuit Ensures Drift-Free FM
- Pushbuttons for Both FM and AM
- RF Stage for Long-Distance AM

Enjoy the listening pleasure of FM and the varied broadcasts of AM with pushbutton ease and superior fidelity. Modern 10-transistor, 8-diode circuit eliminates warm-up time, and reduces battery drain almost to nothing. Five "quick-set" pushbuttons offer instant band and station choices: 2 for FM; three for AM. FM section of radio has 4 IF stages, and AFC circuit to lock-in FM stations. AM section has RF stage to reach out for distant stations. Tone control. Vernier tuning permits quick, unerring FM and AM station choices. Powerful 6-watt output. Installs quickly under dash. Only 8½x8¼x3". Complete with wide-range 5x7" speaker and efficient FM-AM antenna. For 12-VDC negative ground. 13½ lbs.

24 SX 228-G. *$5 Monthly*......79.95

Universal AM Radio

- 5 Fingertip Pushbuttons
- Tone Control
- 5x7" Speaker
- Telescoping Antenna
- 5 Transistors, 2 Diodes
- 6 or 12-Volts

Low-cost, high-quality radio delivers standard AM broadcasts in crisp, clear tone through a big 5x7" speaker. Five pushbuttons summon stations at your fingertip command—can be set to the stations of your choice in just seconds. Sound jumps out the moment you turn on the radio, because all-transistor circuit "warms up" instantly. An aid to winter driving, too . . . draws hardly any current from your car's battery. Impressive style featuring chrome-trimmed panel, enhances car's interior. Installs quickly and easily under the dash of any car or truck. Only 7½x6½x2⅜". Complete with antenna, speaker, lead-in and standard plug. For 6 or 12-VDC, negative or positive ground. Shpg. wt., 12 lbs.

24 SX 236-G. *$5 Monthly*......39.95

Don't Wait—Get the Radio You Want Now with Our Credit Fund

Auditorium Size

$\$24^{95}$

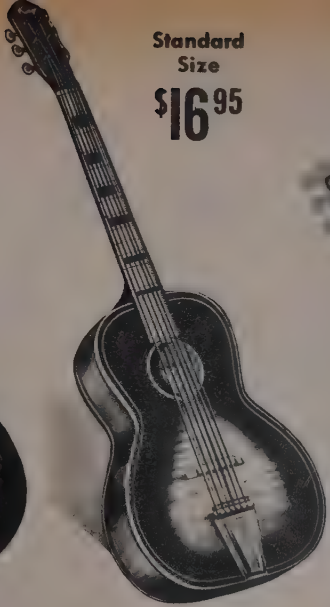
$5 monthly

Fully Arched Guitar

There's no end of fun with this auditorium-sized guitar. Delivers full, expansive tone that can be heard throughout a large auditorium. Expertly crafted body of select, crack-proof maple. Finger positioning is easy because of slender, steel-reinforced neck. Adjustable bridge and celluloid guard plate. Red-brown finish with sunburst. 41¼x15½". With playing instructions and pick. Shpg. wt., 10 lbs.
24 RU 713-G. *$5 Monthly*...24.95

Standard Size

$\$16^{95}$



Low Cost Flat-Top Guitar

A beginner just can't do better! Standard size for big, pleasing tone. Features a full 18-fret maple fingerboard. Crackproof, laminated construction ensures quality and durability. Edges and sound hole are white-striped for smart contrast to the handsome, overall shaded-brown finish with sunbursts. 38½x13½". Complete with easy "how-to-play" instructions and pick, that will start you quickly on your way. Wt., 10 lbs.
24 RU 711-G.............16.95

Folk Guitars Are Fun for All

Join in the music making trend that's sweeping the country

$\$39^{95}$

$5 monthly

5-String Folk Banjo

A lively instrument for Hootennany fun!

- **Removable, Crackproof Maple Resonator**
- **Adjustable Tension Bracket and Wrench**
- **Sturdy Hardrock-Maple Shell and Neck**
- **All-Weather Head • Celluloid-Bound Edge**
- **16 Nickel-Plated Tension Brackets**
- **Sturdy Machine-Type Tuning Pegs**

Sing-a-long, string-a-long. Now you can jump on the folk-song bandwagon in fine style, and at a surprising low cost. This smartly-styled 5-string banjo is so easy to learn, that in no time you'll be entertaining yourself and others. Crackproof maple resonator produces a large, delightful banjo tone; can be removed easily when a softer sound quality is preferred. Durable no-fray, celluloid-bound edge. Finest hardrock maple shell and neck are this banjo's badge of quality, and your assurance of long life. Excellent tonal quality is obtained by 16 nickel-plated tension brackets. Tension-adjusting wrench supplied. All-weather plastic head. Machine-type tuning pegs—easily gripped, do not slip. Size, 38x12¾". Complete with easy "learning-to-play" instructions, and pick. Shpg. wt., 10 lbs.
24 RX 726-G. *$5 Monthly*. 39.95

$\$39^{95}$

$5 monthly

Classic Folk Guitar For the Student or Expert

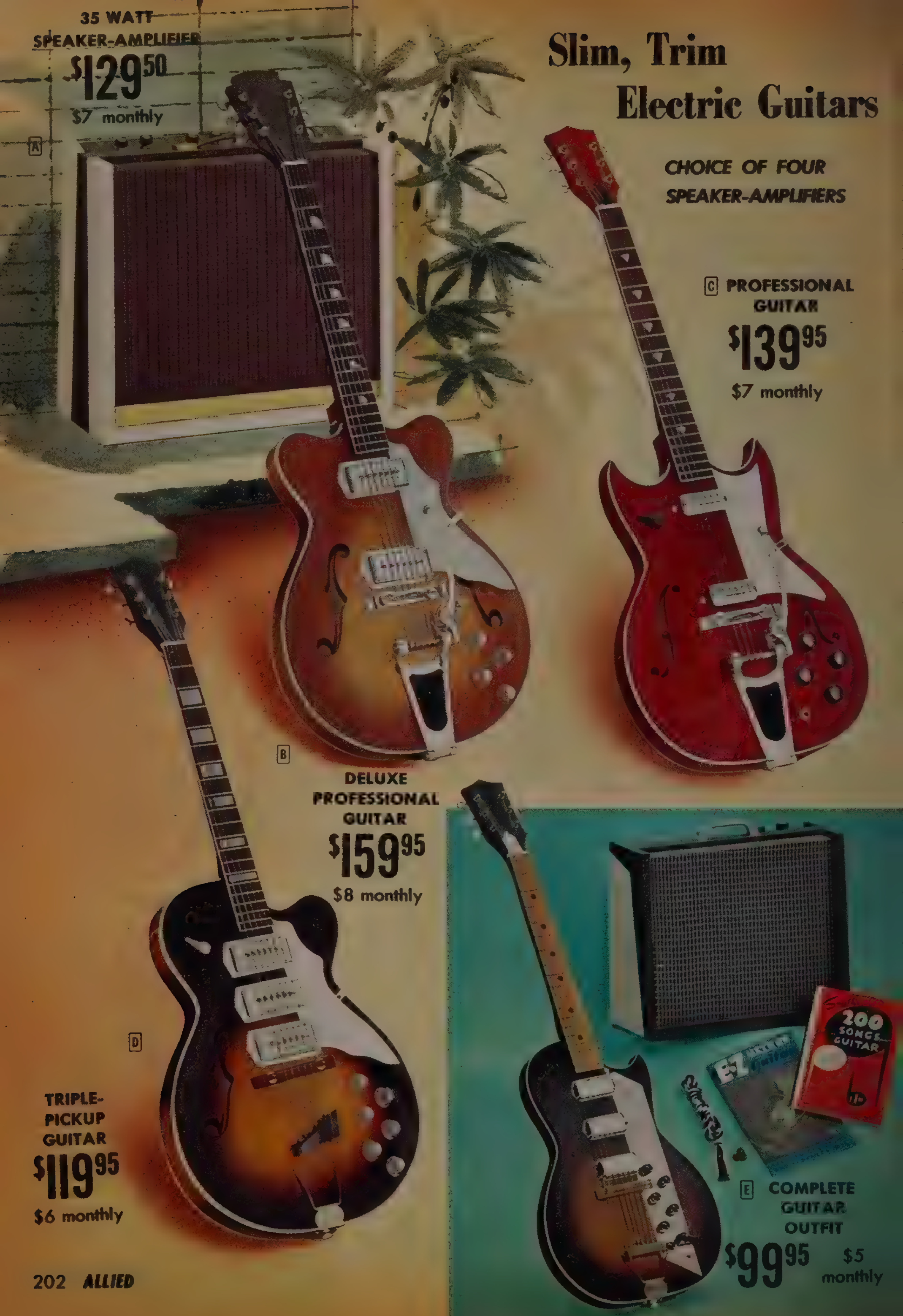
- **Close-Grained Spruce Top**
- **Wide, Simple Fingerboard**
- **Slotted Head • Maple Body**
- **Machine-Type Tuning Pegs**
- **Simplified Instructions**

A classic flat-top guitar in a traditional style highly prized by folk-music enthusiasts. Combines playing ease with tonal beauty. Thin, wide fingerboard is a pleasure to hold, a pleasure to play. Close-grained spruce top is carefully fashioned for durability and shaping of musical sound. Extra-strong maple body construction contributes to the guitar's rich tonal quality. Has machine-type pegs for quick, no-slip tuning. Supplied complete with "easy-learning" instruction booklet and a pick. Standard size, 36¾x14". Shpg. wt., 11 lbs.
24 RU 715-G. *$5 Monthly* 39.95

Buy Your Guitar from Allied at Lowest Prices

Slim, Trim Electric Guitars

CHOICE OF FOUR SPEAKER-AMPLIFIERS


A
B
C
D
E
200 SONGS GUITAR
EZ Guitar

35 WATT SPEAKER-AMPLIFIER
$\$129^{50}$
$7 monthly

C PROFESSIONAL GUITAR
$\$139^{95}$
$7 monthly

B DELUXE PROFESSIONAL GUITAR
$\$159^{95}$
$8 monthly

D TRIPLE-PICKUP GUITAR
$\$119^{95}$
$6 monthly

E COMPLETE GUITAR OUTFIT
$\$99^{95}$ $5 monthly

Electrics for Beginners to Professionals

A Transistorized Speaker-Amplifiers

35 WATTS. A deluxe unit loaded with special features for the serious musician. Transistor circuit produces truer, cleaner music. Eliminates warmup-time—no standby switch needed. Powerful circuit and special 12" speaker offer exceptionally wide response. Has professional two-channel feature: each channel has independent controls and 3 instrument inputs (a total of 6). 7 controls. 11 transistors and 8 diodes. Supplied complete with foot switch for vibrato. 20x24x12" deep. For 110-120 volts, 60 cycle AC. Shpg. wt., 50 lbs.
24 RZ 775-G. Shipped express. *$7 Monthly*.............. 129.50

24 RZ 772-G. 15 watts. Has 8 transistors, two-channel feature, 15" speaker, 7 controls, 4 inputs and a foot switch. 17⅛x20x9½". Shpg. wt., 30 lbs. Shipped express. *$5 Monthly*...................... **99.50**

24 RU 776-G. 10 watts. Has 7 transistors, 10" speaker, 4 controls, 4 inputs and foot switch. 17⅛x20x9½". 26 lbs. *$5 Monthly*....... **69.95**

24 RU 778-G. 5 watts. 7 transistors, 8" speaker, 4 controls, 3 inputs. 13⅞x16¾x7". Shpg. wt., 14 lbs. *$5 Monthly*................ **49.95**

B Deluxe Professional Double-Cutaway Guitar

A brilliant guitar. Thrilling to play, wonderful to own. The kind of guitar every serious player needs. Features a vibrato tailpiece and thin, adjustable steel-reinforced hard-maple neck that won't twist or warp. Top, back and sides are made of select laminated curly maple. Oval rosewood fingerboard with inlaid, genuine pearl markers and nickel-silver frets. Celluloid binding. Flat-wound professional strings. Has two pickup units with individual adjustable posts, separate controls and instantaneous selector switch. Hand-rubbed cremona-brown finish with golden sunburst. With instructions, song book and pick. 41x15¼x2". Carrying case optional, below. Shpg. wt., 17 lbs.
24 RU 725-G. *$8 Monthly*.......................... 159.95
24 RX 729-G. Carrying Case. Wt., 10 lbs. *$5 Monthly*....... **30.00**

C Professional Double-Cutaway Guitar

An outstanding musical instrument, expertly-crafted of laminated curly maple, and featuring a vibrato tailpiece. Excellent for the guitarist who's "arrived," and the one who's on the way. Has oval rosewood fingerboard, thin adjustable neck, adjustable rosewood bridge, 6 inlaid markers, nickel-silver frets. Celluloid binding. Two sensitive magnetic pickups are adjustable for tone balance. Separate tone and volume controls, plus a 3-way switch. With instructions, song book and pick. 40¼x15x2". Carrying case optional, below. Shpg. wt., 14 lbs.
24 RU 757-G. *$7 Monthly*.......................... 139.95
24 RU 720-G. Carrying Case. Shpg. wt., 10 lbs............. **10.95**

D Value-Packed Triple-Pickup Guitar

A first-class guitar for all classes of guitarists. Super-auditorium-sized, yet only 2" deep. Made of select, curly maple. Adjustable, steel-reinforced maple neck. Celluloid-bound oval rosewood fingerboard with six inlaid blocks, nickel-silver frets. 3 magnetic pickups with adjusting posts for each string. Each pickup has separate tone and volume controls (total of 6). Instantaneous selector switch lets you play any unit individually, or all together. Flat-wound professional strings. Hand-rubbed walnut finish with golden sunburst. 41x15x2". With instructions, song book, pick. Case optional, below. Wt., 14 lbs.
24 RU 724-G. *$6 Monthly*.......................... 119.95

DUAL-PICKUP GUITAR. As above, but 4 controls. 14 lbs.
24 RU 721-G. *$5 Monthly*.............................. **99.95**
24 RU 722-G. Carrying Case. For guitars above. Wt., 10 lbs. **10.95**

E Guitar and Speaker-Amplifier Outfit

Ready-to-use outfit at a money saving low price. Includes a handsome, triple-pickup guitar and 4-watt transistorized speaker-amplifier.

Guitar. Laminated maple hollow body with reinforced neck. Maple fingerboard, 6 inlaid markers. Separate tone and volume controls for each pickup. 39x13½x1¾". Dark brown and sunburst. With instructions, song book and pick. Carrying case optional, below.

Speaker-Amplifier. Has 3 inputs: treble, normal and bass. Also has tone controls with an AC switch. Volume control. Extended-range 8" speaker. Size, 13⅞x16¾x7".
23 RU 029-2G. Guitar and Amplifier. Shipped express. 29 lbs. 99.95
24 RU 718-G. Guitar Carrying Case. Shpg. wt., 9 lbs......... **6.95**

Use Allied's Credit Fund to Buy a Guitar

LOWEST-COST ELECTRIC GUITARS

Handsome, Lightweight Guitars for the Beginner and Advanced Player

As Low As

$49.95

$5 monthly

Top Buys in Semi-Solid Guitars

SINGLE-PICKUP. Eye-appealing, beautifully proportioned guitar, combining the pure, brilliant tone of the electric with the rich undertones of the acoustical guitar. Only 1¾" deep. Has tone and volume controls. Hollow body is made of laminated, crackproof maple. Slim neck is steel-reinforced to prevent warping. Hard maple fingerboard has 6 large, hand-inlaid markers and professional frets. Durable, extra-wide white-celluloid binding on top and back edges. Nickel-plated trapeze tailpiece, and top-quality strings. Extra-sensitive magnetic pickup unit. Gleaming chrome-plated guard-plate. Striking, lustrous dark brown finish with shining sunburst on top and back. With easy instructions, pick and convenient neck cord. 39x13½x1¾". Carrying case optional, below. Shpg. wt., 14 lbs.
24 RU 716-G. *$5 Monthly*.......... 49.95

TRIPLE-PICKUP. Same guitar as above, but has 3 pickup units, each with its own separate tone and volume control, plus an instantaneous selector switch to play each unit separately or all together. Shpg. wt., 14 lbs.
24 RU 717-G. *$5 Monthly*.......... 69.95

24 RU 718-G. Carrying Case. For guitars above. Shpg. wt., 9 lbs.................. **6.95**

Solid-State

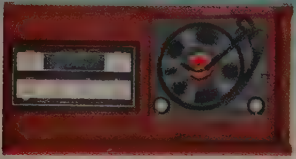
Our Best Stereo Console

A

$249⁹⁵

$13 monthly

No Tubes . . . All-Transistor Circuit



Deluxe Stereo Changer, plus Solid-State Stereo FM/AM receiver

B

$179⁹⁵

$9 monthly

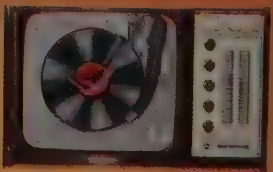
4-Speed Stereo Changer, plus Hi-Fi Stereo FM/AM Receiver

C

Our Lowest Cost Stereo Consolette

$129⁵⁰

$7 monthly



Stereo Changer, Stereo FM, plus AM

Stereo Hi-Fi Consoles With Multiplex FM

A Solid-State Stereo FM/FM-AM Radio and Phono

- **All-Transistor Circuit Delivers Stereo of Exciting Realism**
- **Stereo FM Indicator Light • Tape-Recorder Input • AFC**
- **Two 8" Bass and Two 4" Treble Speakers • Record Storage Space**

Offers more deluxe features than any other stereo radio-phono console we sell. Enjoy the fascinating realism of stereo FM, plus standard FM and AM, in the spectacular "clean" sound of solid-state (transistor) operation. No tubes to warm up—plays instantly, developing very little heat. Stereo phonograph features a deluxe 4-speed changer that handles records gently, and automatically shuts off after the last record plays. Intermixes records of different sizes, of the same speed. Lightweight pickup arm lengthens record life. Turnover stereo cartridge has diamond and sapphire needles. Four matched speakers, and a crossover network, give you crystal-clear music reproduction. Has outputs for adding external speakers, too. AFC locks in FM stations for drift-free reception. Special indicator light flashes on when you tune in FM stereo—eliminates "searching" for stereocasts. Has vernier tuning and illuminated slide-rule dial. Popular oiled-walnut veneer. 29x48x17" deep. For 110-120 v., 60 cycle AC. 108 lbs. Shipped express from Syosset, N.Y.
F24 RZ 579-G. No C.O.D. Orders. *$13 Monthly*............249.95

TUBE-TYPE STEREO RADIO-PHONO. Above, but tube circuit, no tape rec. input or external speaker outputs. 108 lbs. Express from Syosset, N.Y.
F24 RZ 577-G. No C.O.D. Orders. *$10 Monthly*..............**199.95**

B Stereo Phono with Stereo FM/FM-AM Radio

- **Diamond Needle for LPs • AFC for Drift-Free FM Reception**
- **Two 8" and Four Treble Speakers for Wide-Range Reproduction**
- **Automatic 4-Speed Stereo Changer with Automatic Shut-off**

The exciting sound of stereo and the sight of modern decorative styling. That's what you get from this moderately priced console. Includes a stereo multiplex FM radio (which also receives standard FM and AM), plus a stereo phonograph. Full array of controls includes stereo balance. Decorative cabinet provides lift-top convenience for ready access to controls. FM circuit has AFC to keep stations locked in for drift-free reception. Each speaker enclosure houses an 8" bass and two treble speakers for wide-range sound coverage. 4-speed stereo record changer intermixes 10" and 12" records of the same speed, and shuts off automatically after the last record plays. Turnover ceramic stereo cartridge has long-life diamond needle for LP records and sapphire for 78's. Amplifier provides outputs for adding convenient extension speakers. Attractive cabinet is expertly finished in walnut or mahogany—**specify your choice.** Smart black legs with brass ferrules included. 30x38½x15¾" deep. For operation from 110-120 volts, 60 cycle AC. From Japan. Shpg. wt., 83 lbs. Shipped express from New York City or Los Angeles.
F24 RZ 591C-G. No C.O.D. Orders. *$9 Monthly*............179.95

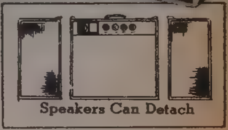
C Economy-Priced Stereo-FM/FM-AM Radio and Stereo-Phono Consolette

- **Drift-Free FM • Choice of Two Finishes**
- **Output Terminals for Extension Speakers • 4-Speed Changer**
- **Two 6x4" Bass and Two 4" Treble Wide-Range Speakers**

An eye-catching consolette providing hi-fi performance at a remarkable low price. Delivers exciting stereo FM, standard FM, the AM broadcast band, and stereo-record reproduction . . . all from one smartly styled, compact cabinet. Smooth-acting 4-speed record changer gently intermixes 10" and 12" same-speed records, and shuts itself off automatically when last record has played. Lightweight pickup arm is kind to records—contains stereo turnover cartridge with two sapphire needles. Extremely natural, full-bodied tone comes from four wide-range speakers (two 6x4" bass and two 4" treble). Compensated circuit prevents FM drift, permitting fullest, uninterrupted enjoyment of static-free FM musical and cultural programing. Terminals to accommodate extra speakers—add speakers for extra channel separation, or for listening in another room. Expertly finished in attractive mahogany or walnut—**specify your choice.** Legs included. Size, 28x23x14" deep. For 110-120 volts, 60 cycle AC. From Japan. Shpg. wt., 60 lbs. Shipped express from New York City or Los Angeles.
F24 RZ 578C-G. No C.O.D. Orders. *$7 Monthly*......129.50

$79⁹⁵

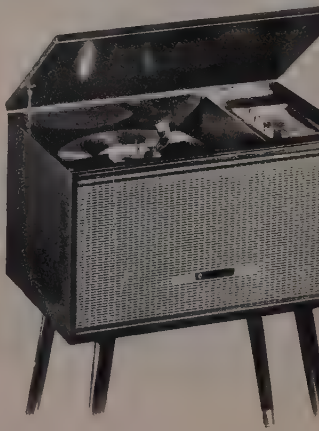
$5 monthly



Speakers Can Detach

Solid-State Stereo Phonograph With "Tilt-Down" Changer

Unusually low price for solid-state stereo performance. Operates with very low power consumption and almost no heat, to ensure long-time, dependable performance and excellent tone. Warm-up time is eliminated, too—plays as soon as you turn it on. 4-speed record changer intermixes all-size records of the same speed, and shuts off automatically after the last record plays. Has "floating" base for added record protection. Stereo turnover cartridge has two sapphire needles. Two volume controls, one for each channel. Separate bass and treble controls. Two balanced 6" speakers. Detachable enclosures separate from main cabinet up to 16 feet for wide channel separation. Slim-line wood case is covered in metallic-blue leatherette that's washable and scuff-resistant. 15½x28½x8" deep. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 34 lbs.
24 RU 529-G. Shipped express. *$5 Monthly*.....79.95



$89⁹⁵

$5 monthly

Low-Cost Stereo Phono with AM Radio

Here's a value-packed consolette delivering full-dimensional stereo from recordings, and excellent AM broadcast reception. Boasts four speakers: two 6x4" bass, and two 4" treble. Terminals for extension speakers. 4-speed record changer intermixes same-speed records, and shuts off automatically. Turnover stereo cartridge has two sapphire needles. Large slide-rule tuning dial. In walnut or mahogany—**specify choice.** Legs included. 28⅝x23x14½" deep. For 110-120 volts, 60 cycle AC. From Japan. Shpg. wt., 50 lbs. Shipped express from New York City or Los Angeles.
F24 RZ 581C-G. No C.O.D. Orders. *$5 Monthly*. 89.95

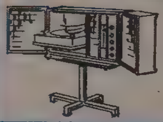
A

Diamond Needle

Our Best Shelf Stereo Phono with Stereo FM/FM-AM Radio

$159⁹⁵

$8 monthly



On Optional Pedestal

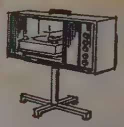
Diamond Needle

B

Deluxe Portable Stereo Phono with Stereo FM/FM-AM Radio

$139⁹⁵

$7 monthly



On Optional Pedestal

Diamond Needle

C

Solid-State

$89⁹⁵

$5 monthly

Pedestal Optional

Diamond Needle

D

$69⁹⁵

$5 monthly

Pedestal Optional

Stereo Portables

STYLES AND PRICES FOR EVERYONE

A Shelf-Size Stereo FM/FM-AM Radio-Phono

- 4 Speakers • Equipped for Easy Wall-Mounting
- AFC Circuit on FM • Detachable Speaker Enclosures
- Indicator Light Flashes On During FM Stereocasts

A radio-phono with "class," offering the incomparable sound of stereo from records or FM, plus standard FM and AM programming. 4-speed changer plays six 12", 10" or 7" records. Intermixes all-size records of the same speed, shuts off automatically after last record. Turnover ceramic cartridge has diamond needle for LP's and sapphire for 78's. Tone and balance controls. AFC locks-in FM stations. Has two 8" and two 4" speakers. Enclosures detach for up to 25 ft. of channel separation. Includes brackets for mounting on wall. Can also be used with optional Pedestal below, or on your own table or shelf. Main cabinet, 14¾x25x13⅝". Each enclosure, 14¾x12½x4¼". With automatic 45-rpm spindle. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 44 lbs.
24 RU 530-G. Shipped express. *$8 Monthly*.........**159.95**

B Stereo Phono with Stereo FM/FM-AM Radio

- Stereo FM Indicator Light • AFC for Drift-Free FM
- Remote Speaker Enclosure May Be Stored in Main Cabinet

Our most versatile stereo portable. Offers exciting stereo FM, standard FM and AM, and a stereo phono. Use it three ways: mounted on the wall (includes factory installed mounting brackets) or on the optional Pedestal, below, or as a regular portable. Changer plays all speeds, automatically shuts off when last record ends. Mixes 12", 10" and 7" records of same speed. Diamond needle for LP's, sapphire for 78's. Tone and balance controls. Two dual-cone 5¼" speakers. Remote speaker enclosure has 12' cable; "nestles" in left side of main cabinet when extra channel-separation is not desired. Overall size, 15x33¾x10".; remote size, 11x6x6¼". Complete with automatic 45-rpm spindle. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 39 lbs.
24 RU 533-G. Shipped express. *$7 Monthly*.........**139.95**

C Deluxe Solid-State Stereo Phono

- No Tubes • Cool Running, Almost No Heat • Instant Warmup
- 4 Speakers • Factory Installed Brackets for Wall Mounting

From rock 'n roll to classical music in stereo . . . enjoy it all with the marvelous "clean" sound of solid-state (transistor) circuitry. Has two bass 6" speakers with whizzer cones, and two 4" treble speakers. One set of speakers in remote enclosure with 12-ft. cable. 4-speed changer plays six 12", 10" or 7" records, intermixes records of same speed, turns off automatically and shifts to "Neutral." Turnover stereo cartridge boasts diamond LP needle, and sapphire for 78's. Has treble, and balance controls. Easily mounts on wall, or rests on optional Pedestal, below. With automatic 45-rpm spindle. Main cabinet, 14½x30½x9"; remote, 13½x6¾x7¾". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 39 lbs.
24 RU 534-G. Shipped express. *$5 Monthly*...........**89.95**

D Low-Cost Portable Stereo Phono

- Two 5¼" Speakers with Dual Cones • Diamond LP Needle
- Separate Volume Controls Each Channel • Dual Tone Control

Low in cost, yet excellent stereo reproduction. 4-speed changer plays six 12", 10" or 7" records. Shuts off automatically. Intermixes different sized records of the same speed. Turnover stereo cartridge. One speaker in cabinet, one in remote enclosure with 10-ft. cable. Factory installed brackets permit easy wall mounting, or place it on optional Pedestal, below. With automatic 45-rpm spindle. Main cabinet: 18½x28x14½"; remote, 13¾x6x6½". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 31 lbs.
24 RU 535-G. Shipped express. *$5 Monthly*...........**69.95**

Pedestal and Record Rack for All Phonos Above

PEDESTAL. Smartly styled stand to enhance appearance of stereo sets. Finished in chrome and black. 15½" high. 5 lbs.
24 RX 531-G...**8.95**

RECORD RACK. Holds 36 LP's. Attaches to pedestal, above. Distinctive styling. Easy record identification. 5 lbs.
24 RX 536-G...**8.95**

$49⁹⁵
$5 monthly

Our Lowest-Cost Portable Stereo Phono

- Two 4" Speakers • 4-Speed Record Changer
- Excellent for Teen-Agers • Scuff-Resistant

Low price, lots of value. 4-speed changer plays up to six records of any size, of the same speed. Shuts itself off after the last record plays. Turnover stereo cartridge has sapphire needles. One speaker located in cabinet, the other in a remote enclosure with 10-ft. cable for adequate channel separation. Covered with scuff and water-resistant fabric in subdued yellow and gray. Main cabinet, 7¾x17¾x13¾". Remote, 6⅜x8¼x2⅞". Less 45-rpm spindle, below. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 26 lbs.
24 RU 532-G. Shipped express...............**49.95**

24 SC 149-G. Spindle. Permits *automatic* play of 45-rpm records. Shpg. wt., 10 oz........................**1.89**

$39⁹⁵
$5 monthly

Economy Portable Phonograph

- 4" Speaker for Excellent Monophonic Sound
- 4-Speed Record Changer with Automatic Shutoff

Easy portability and good monphonic listening, too. Sporty unit has a 4-speed record changer that takes up to six records. Intermixes any sizes of the same speed, shuts off automatically after last record plays. Turnover cartridge has dual sapphire needles. Speaker delivers full-tone monophonic sound. Tone and volume controls. Rugged all-plastic cabinet is finished in blue and white. Only 7¾x17¾x13¾". Less 45-rpm spindle, below U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.
24 RU 537-G. *$5 Monthly*..................**39.95**

24 SC 149-G. 45-rpm Automatic Spindle. 10 oz....**1.89**

Use Allied's Credit Fund to Buy a Portable Stereo Outfit Now

LINCOLN® New! Thrilling Electronic Kits

JUST OUT AND ONLY AT ALLIED—GREAT DO-IT-YOURSELF FUN FOR YOUNG AND OLD

LINCOLN
MOTOR SPEED
LIGHT CONTROL
2
3
4
5
6
7
8
9
HIGH

- Saws
- Drills
- Polishers
- Soldering Irons

- Lathes
- Sanders
- Heaters
- Light Bulbs

New Model L-201 Solid-State Motor-Speed/Light-Control Kit

$11.95

Vary the Speed of Power Tools With Universal AC-DC Motors Handles Surges to 10 Amps

Get the right power tool speed for the job—every time! L-201 outperforms many controls costing much more. Use it with drills, saws, sanders—reduces speed for working on hard materials or in tight corners. With soldering irons—limits heat to protect delicate components. Controls brightness of incandescent lamps, output of heating elements.

Solid-state circuit uses a controlled silicon rectifier and two diodes. A calibrated control accurately adjusts output. In full "on" position appliance works at normal speed. Output receptacle and 6-ft. power cord are 3-wire grounding types for safety.

For any universal-wound AC/DC motor-driven appliance with a nameplate rating of 7.5 amps or less, resistive loads up to 900 watts, incandescent lamps up to 500 watts. Easy to build. Rectifier has color-coded leads, pre-mounted on heat sink. 2⅞x4x1½". With all parts, instructions. 2 lbs.

83 Y 350-G......................... **11.95**

New LINCOLN Model L-202

- —No Soldering
- —Fun to Build
- —Easy to Use

$21.88 $5 monthly

50 Experiments Include:

- Building a Transistor Radio
- Learning How Transistors and Diodes Work
- Learning Basic of Solar Cell Experiments
- Building a Light-Operated Burglar Alarm
- Building a Radio-TV Commercial Killer
- Building a Ham Transmitter and Receiver
- Building an Electronic Metronome
- Building a Two-Stage Wake-Up Alarm
- Making a "Shaky Jake" Electronic Toy
- Making an Electronic Thermometer
- Building a Citizens Band Receiver
- How to Read and Draw Circuit Diagrams
- Learning Electromagnetism Principles
- Seeing How a Basic Lamp Circuit Works
- Making an Appliance Circuit Tester

Plus 35 More

Transistor Solar Energy Electronics Experimenter Kit

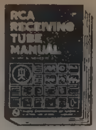
Study the marvels of electronics—enjoy hours and hours of fun-filled learning. Features 50 separate experiments based on the use of solar cells, transistors and other electronics components. You'll learn to read schematic circuit diagrams and build: a sensitive instrument that measures current flow—a circuit tester that checks household appliances—an oscillator for practicing code—plus many more exciting circuits. A clearly written explanation plus schematic and pictoral diagrams show how each circuit works. No soldering—unique spring-type connectors securely hold leads, release when you want. 3⅛x16⅛x14". With all parts, solar cell, earphone, screwdriver, easy-to-follow instructions. Less batteries (requires 4), below. 7½ lbs.

83 YX 351-G. *$5 Monthly*......................... **21.88**
83 Y 012-G. Battery. Shpg. wt., 2 oz.......................... **Each 13¢**

Lincoln Kits Carry a One Year Parts Warranty

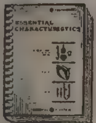
RCA and G.E. Receiving Tubes

RECEIVING TUBE MANUALS



RCA. Lists characteristics and operating conditions of all current RCA receiving and picture tubes. **Free with 15 receiving tubes or 1 picture tube.**

37 K 575............**1.25**



G.E. Ratings and characteristics of all current G.E. receiving, special purpose, Five Star and picture tubes. **Free with 15 receiving tubes or 1 picture tube.**

37 K 259............**1.50**

MAY BE ASSORTED FOR QUANTITY-PRICE SAVINGS

Allied has the world's largest stocks of RCA and G.E. tubes. We replace any tube that does not perform efficiently for 12 months from purchase (broken tubes excluded). We ship either RCA or G.E. tubes, whichever is in stock when your order is received. Remember . . . tubes may be assorted for quantity-price savings. As new receiving tubes are released by manufacturers, Allied will stock them.

Purchasers of tubes in quantities of 15 or more may have the G.E. or RCA Receiving Tube Manual (at left) at no charge. Av. shpg. wt. per tube, 4 oz.; per 10 tubes, 2½ lbs.

- **Always—Fresh Stock for Fast Delivery**
- **Tubes Guaranteed for one Full Year**
- **Buy Your Tubes With Our Credit Fund**

Purchase all of the receiving tubes you need on our Credit Fund Plan. Lets you enjoy quantity-price savings, and you can take up to 24 months to pay.

Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up
OZ4	1.20	1.08	.96
OZ4G	1.30	1.17	1.04
1A3	3.28	2.95	2.62
1AD2*	1.50	1.35	1.20
1A5GT	2.13	1.91	1.70
1A7GT	2.88	2.59	2.30
1AX2	1.53	1.37	1.22
1B3GT	Use 1G3GT/1B3GT		
1DN5	1.83	1.64	1.46
1G3GT/1B3GT	1.45	1.31	1.16
1H2	1.53	1.37	1.22
1H5GT	2.08	1.87	1.66
1J3	Use 1K3/1J3		
1K3/1J3	1.45	1.31	1.16
1K3	Use 1K3/1J3		
1L6	3.40	3.06	2.72
1LA6	3.10	2.79	2.48
1LB4	4.33	3.90	3.46
1LH4	4.03	3.63	3.22
1LN5	4.08	3.67	3.26
1N5GT	2.60	2.34	2.08
1R5	1.53	1.37	1.22
1S2A	1.55	1.40	1.24
1S4	2.18	1.96	1.74
1S5	1.45	1.31	1.16
1T4	1.45	1.31	1.16
1U4	1.45	1.31	1.16
1U5	1.33	1.19	1.06
1V	2.93	2.63	2.34
1V2	1.05	.95	.84
1X2A	1.53	1.37	1.22
1X2B	1.53	1.37	1.22
2A3	5.25	4.73	4.20
2AF4B	2.03	1.82	1.62
2AH2*	1.60	1.44	1.28
2AS2*	1.60	1.44	1.28
2BN4A	1.28	1.15	1.02
2CW4	2.23	2.00	1.78
2CY5	1.53	1.37	1.22
2DS4	2.23	2.00	1.78
2DV4	3.13	2.81	2.50
2DZ4	2.03	1.82	1.62
2EN5	1.70	1.53	1.36
2ER5	1.75	1.58	1.40
2FH5	1.53	1.37	1.22
2FQ5A	2.03	1.82	1.62
2FS5	1.55	1.40	1.24
2FY5	1.40	1.26	1.12
2GK5	2.03	1.82	1.62
2GU5	2.18	1.96	1.74
2HK5	2.25	2.03	1.80
3A2	2.43	2.18	1.94
3A3/3B2	1.70	1.53	1.36
3AF4A	2.03	1.82	1.62
3AL5	1.03	.92	.82
3AT2*	1.60	1.44	1.28
3AU6	1.18	1.06	.94
3AV6	.95	.86	.76
3AW3	1.70	1.53	1.36
3BA6	1.25	1.13	1.00
3BC5	1.18	1.06	.94
3BE6	1.13	1.01	.90
3BN4A	1.53	1.37	1.22
3BN6	1.93	1.73	1.54
3BU8	1.68	1.51	1.34
3BY6	1.45	1.31	1.16
3BZ6	1.15	1.04	.92
3CA3	1.70	1.53	1.36
3CB6	1.15	1.04	.92

Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up
3CE5	1.18	1.06	.94
3CF6	1.35	1.21	1.08
3CS6	1.33	1.19	1.06
3CY5	1.63	1.46	1.30
3DG4	1.83	1.64	1.46
3DK6	1.20	1.08	.96
3DT6A	1.10	.99	.88
3DZ4	2.03	1.82	1.62
3EA5	1.88	1.69	1.50
3EH7	1.90	1.71	1.52
3EJ7	1.90	1.71	1.52
3ER5	1.75	1.58	1.40
3FS5	1.53	1.37	1.22
3GK5	2.03	1.82	1.62
3GS8/3BU8	1.55	1.40	1.24
3HA5	2.03	1.82	1.62
3HM5	1.95	1.76	1.56
3LF4	3.20	2.88	2.56
3Q4	1.78	1.60	1.42
3Q5GT	2.83	2.54	2.26
3S4	1.60	1.44	1.28
3V4	1.25	1.13	1.00
4AU6	1.18	1.06	.94
4AV6	.93	.83	.74
4BC5	1.18	1.06	.94
4BC8	2.03	1.82	1.62
4BL8	1.28	1.15	1.02
4BN6	1.93	1.73	1.54
4BQ7A	2.00	1.80	1.60
4BS8	1.93	1.73	1.54
4BU8	1.68	1.51	1.34
4BZ6	1.13	1.01	.90
4BZ7	2.03	1.82	1.62
4CB6	1.15	1.04	.92
4CE5 4BC5	1.18	1.06	.94
4CS6	1.18	1.06	.94
4CY5	1.43	1.28	1.14
4DE6	1.33	1.19	1.06
4DK6	1.20	1.08	.96
4DT6A	1.13	1.01	.90
4EH7	1.90	1.71	1.52
4EJ7	1.90	1.71	1.52
4ES8	2.30	2.07	1.84
4EW6	1.33	1.19	1.06
4GK5	2.08	1.87	1.66
4GM6	1.15	1.04	.92
4GS8/4BU8	1.55	1.40	1.24
4GZ5	1.25	1.13	1.00
4HA5	2.05	1.85	1.64
4HA7*	1.60	1.44	1.28
4HM6	1.20	1.08	.96
4HS8	1.60	1.44	1.28
4HT6	1.20	1.08	.96
4JC6	1.75	1.58	1.40
4JD6	1.75	1.58	1.40
5AM8	1.78	1.60	1.42
5AN8	2.00	1.80	1.60
5AQ5	1.18	1.06	.94
5AR4	2.25	2.03	1.80
5AS4A	1.65	1.49	1.32
5AS8	2.08	1.87	1.66
5AT8	1.83	1.64	1.46
5AU4	1.70	1.53	1.36
5AV8	2.03	1.82	1.62
5AZ4	2.83	2.54	2.26
5B8	2.65	2.39	2.12
5BC3	1.15	1.04	.92
5BE8	1.65	1.49	1.32
5BK7A	1.70	1.53	1.36

Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up
5BQ7A	2.03	1.82	1.62
5BR8	1.83	1.64	1.46
5BT8	1.65	1.49	1.32
5BW8	1.70	1.53	1.36
5CG8	1.68	1.51	1.34
5CL8A	1.75	1.58	1.40
5CM8	1.90	1.71	1.52
5CQ8	2.03	1.82	1.62
5CZ5	2.18	1.96	1.74
5DH8	2.55	2.30	2.04
5DJ4	1.33	1.19	1.06
5EA8	1.68	1.51	1.34
5EU8	1.68	1.51	1.34
5EW6	1.33	1.19	1.06
5FG7	1.38	1.24	1.10
5FV8	1.58	1.42	1.26
5GH8	1.98	1.78	1.58
5GM6	1.33	1.19	1.06
5GX6	1.33	1.19	1.06
5HG8	2.23	2.00	1.78
5J6	1.43	1.28	1.14
5KE8	2.53	2.27	2.02
5T4	6.05	5.45	4.84
5T8	1.83	1.64	1.46
5U4G	1.05	.95	.84
5U4GB	1.05	.95	.84
5U8	1.65	1.49	1.32
5V3A	1.93	1.73	1.54
5V4GA	1.90	1.71	1.52
5V6GT	1.20	1.08	.96
5X4G	1.68	1.51	1.34
5X8	1.73	1.55	1.38
5Y3GT	.88	.79	.70
5Y4GA	1.30	1.17	1.04
5Y4GT	1.33	1.19	1.06
5Z3	1.65	1.49	1.32
5Z4	4.18	3.76	3.34
6A7	4.25	3.82	3.40
6A8	3.43	3.08	2.74
6AB4	1.08	.97	.86
6AB5/6N5	4.03	3.63	3.22
6AB7	4.13	3.72	3.30
6AC5GT	3.13	2.81	2.50
6AC7	2.75	2.48	2.20
6AF3	1.45	1.31	1.16
6AF4	2.00	1.80	1.60
6AF4A	2.00	1.80	1.60
6AF6G	3.10	2.79	2.48
6AF11*	2.50	2.25	2.00
6AG5	1.38	1.24	1.10
6AG7	3.10	2.79	2.48
6AG11*	1.95	1.76	1.56
6AH4GT	1.73	1.55	1.38
6AH6	2.35	2.12	1.88
6AK5	2.20	1.98	1.76
6AL3	1.48	1.33	1.18
6AL5	.93	.83	.74
6AL7GT	2.88	2.59	2.30
6AL11*	2.20	1.98	1.76
6AM4	2.95	2.66	2.36
6AM8A	1.73	1.55	1.38
6AN4	3.28	2.95	2.62
6AN8A	2.00	1.80	1.60
6AQ5A	1.08	.97	.86
6AQ6	1.30	1.17	1.04
6AQ7GT	2.00	1.80	1.60
6AQ8	1.58	1.42	1.26

TUBES CONTINUED ON NEXT PAGE

Receiving Tubes (Cont'd)

QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
6AR5	1.33	1.19	1.06
6AR11*	2.18	1.96	1.74
6AS5	1.45	1.31	1.16
6AS8	1.90	1.71	1.52
6AS11*	2.50	2.25	2.00
6AT6	.95	.86	.76
6AT8A	1.90	1.71	1.52
6AU4GTA	1.80	1.62	1.44
6AU5GT	2.15	1.94	1.72
6AU6A	1.05	.95	.84
6AU8A	1.90	1.71	1.52
6AV5GA	2.33	2.09	1.86
6AV6	.83	.74	.66
6AV11*	1.98	1.78	1.58
6AW8A	1.85	1.67	1.48
6AX3*	1.35	1.21	1.08
6AX4GTB	1.33	1.19	1.06
6AX5GT	1.55	1.40	1.24
6AX8	1.85	1.67	1.48
6AY3 Novar	1.38	1.24	1.10
6AY11*	1.95	1.76	1.56
6AZ8	2.78	2.50	2.22
6B8	3.65	3.29	2.92
6B10*	1.75	1.58	1.40
6BA3 Novar	1.38	1.24	1.10
6BA6	1.00	.90	.80
6BA7	2.98	2.68	2.38
6BA8A	1.93	1.73	1.54
6BA11*	1.85	1.67	1.48
6BC4	2.68	2.41	2.14
6BC5	1.18	1.06	.94
6BC7	1.90	1.71	1.52
6BC8	2.00	1.80	1.60
6BD6	1.23	1.10	.98
6BD11*	2.55	2.30	2.04
6BE3	1.50	1.35	1.20
6BE6	1.10	.99	.88
6BF5	1.78	1.60	1.42
6BF6	.95	.86	.76
6BF8	2.18	1.96	1.74
6BF11*	2.40	2.16	1.92
6BG6G	3.23	2.90	2.58
6BH3 Novar	1.48	1.33	1.18
6BH6	1.35	1.21	1.08
6BH8	1.83	1.64	1.46
6BH11*	2.08	1.87	1.66
6BJ3*	1.33	1.19	1.06
6BJ6	1.30	1.17	1.04
6BJ7	1.58	1.42	1.26
6BJ8	1.75	1.58	1.40
6BK4A	4.00	3.60	3.20
6BK5	1.85	1.67	1.48
6BK7B	1.70	1.53	1.36
6BL7GTA	2.10	1.89	1.68
6BL8	1.98	1.78	1.58
6BM8/ECL82	1.53	1.37	1.22
6BN4A	1.33	1.19	1.06
6BN6	1.60	1.44	1.28
6BN8	1.53	1.37	1.22
6BQ5	1.20	1.08	.96
6BQ6GTB/6CU6	2.18	1.96	1.74
6BQ7A	1.98	1.78	1.58
6BR8A	1.90	1.71	1.52
6BS8	1.88	1.69	1.50
6BU8	1.55	1.40	1.24
6BV8	1.58	1.42	1.26
6BW4	1.45	1.31	1.16
6BW8	1.75	1.58	1.40
6BX7GT	2.18	1.96	1.74
6BY5GA	2.55	2.30	2.04
6BY6	1.33	1.19	1.06
6BY8	1.33	1.19	1.06
6BZ6	1.13	1.01	.90
6BZ7	2.00	1.80	1.60
6BZ8	2.23	2.00	1.78
6C4	.93	.83	.74
6C5	2.13	1.91	1.70
6C6	4.15	3.74	3.32
6C9	2.90	2.61	2.32
6C10*	1.98	1.78	1.58
6CA4	1.05	.95	.84
6CA5	1.58	1.42	1.26
6CA7	2.60	2.34	2.08
6CB5A	4.28	3.85	3.42
6CB6A	1.13	1.01	.90
6CD6GA	2.90	2.61	2.32
6CE5	1.18	1.06	.94
6CF6	1.28	1.15	1.02
6CG7	1.23	1.10	.98
6CG8A	1.65	1.49	1.32
6CH8	2.60	2.34	2.08
6CK4	1.50	1.35	1.20
6CL6	1.88	1.69	1.50
6CL8A	1.68	1.51	1.34
6CM6	1.65	1.49	1.32
6CM7	1.45	1.31	1.16
6CM8	2.13	1.91	1.70
6CN7	1.45	1.31	1.16
6CQ4	1.60	1.44	1.28
6CQ8	1.75	1.58	1.40
6CR6	1.20	1.08	.96
6CS6	1.33	1.19	1.06
6CS7	1.48	1.33	1.18
6CU5	1.33	1.19	1.06
6CU6	Use 6BQ6GTB/6CU6		
6CU8	2.18	1.96	1.74
6CW4 Nuvistor	2.23	2.00	1.78
6CW5	1.80	1.62	1.44
6CX8	1.93	1.73	1.54
6CY5	1.43	1.28	1.14
6CY7	1.60	1.44	1.28
6CZ5	2.05	1.85	1.64
6D6	3.90	3.51	3.12
6D10*	2.05	1.85	1.64
6DA4	1.45	1.31	1.16
6DB5	2.65	2.39	2.12
6DC6	1.70	1.53	1.36
6DC8	1.60	1.44	1.28
6DE4	1.43	1.28	1.14
6DE6	1.28	1.15	1.02
6DE7	1.70	1.53	1.36
6DG6GT	1.28	1.15	1.02
6DK6	1.18	1.06	.94
6DM4	1.43	1.28	1.14
6DN6	3.73	3.36	2.98
6DN7	1.75	1.58	1.40
6DQ4	1.33	1.19	1.06
6DQ5	4.18	3.76	3.34
6DQ6B	2.08	1.87	1.66
6DR7	1.83	1.64	1.46
6DS4 Nuvistor	2.23	2.00	1.78
6DS5	1.75	1.58	1.40
6DT5	1.63	1.46	1.30
6DT6A	1.08	.97	.86
6DT8	1.90	1.71	1.52
6DV4 Nuvistor	3.13	2.81	2.50
6DW4 Novar	1.85	1.67	1.48
6DW5	2.03	1.82	1.62
6DX8	1.55	1.40	1.24
6DZ4	2.00	1.80	1.60
6DZ7	4.23	3.81	3.38
6E5	2.55	2.30	2.04
6EA5	1.90	1.71	1.52
6EA7	1.90	1.71	1.52
6EA8	1.60	1.44	1.28
6EB5	2.45	2.21	1.96
6EB8	2.10	1.89	1.68
6EH5	1.53	1.37	1.22
6EH7	2.03	1.82	1.62
6EH8	1.58	1.42	1.26
6EJ7	1.90	1.71	1.52
6EM5	1.70	1.53	1.36
6EM7	2.55	2.30	2.04
6EQ7	1.45	1.31	1.16
6ER5	1.90	1.71	1.52
6ES5	1.53	1.37	1.22
6ES8	2.90	2.61	2.32
6ET7	2.13	1.91	1.70
6EU7	1.35	1.21	1.08
6EU8	1.65	1.49	1.32
6EV5	1.50	1.35	1.20
6EV7	1.45	1.31	1.16
6EW6	1.25	1.13	1.00
6EW7 Novar	2.90	2.61	2.32
6EX6	3.98	3.58	3.18
6EY6	1.70	1.53	1.36
6EZ5	1.80	1.62	1.44
6EZ8	1.90	1.71	1.52
6F5	2.30	2.07	1.84
6F6	2.93	2.63	2.34
6F6G	2.93	2.63	2.34
6F6GT	2.93	2.63	2.34
6F7	5.85	5.27	4.68
6F8G	4.48	4.03	3.58
6FA7	1.45	1.31	1.16
6FD6	1.90	1.71	1.52
6FD7	2.53	2.27	2.02
6FE5	1.83	1.64	1.46
6FG5	2.60	2.34	2.08
6FG6/EM84	1.68	1.46	1.30
6FG7	1.45	1.31	1.16
6FH5	1.45	1.31	1.16
6FH8	1.83	1.64	1.46
6FJ7*	1.83	1.64	1.46
6FM7*	1.73	1.55	1.38
6FM8	1.50	1.35	1.20
6FQ5A	2.03	1.82	1.62
6FQ7	1.15	1.04	.92
6FS5	1.53	1.37	1.22
6FV6	1.98	1.78	1.58
6FV8A	1.58	1.42	1.26
6FW5	2.05	1.85	1.64
6FY7*	1.70	1.53	1.36
6G6G	3.60	3.24	2.88
6G11*	2.18	1.96	1.74
6GB5	1.98	1.78	1.58
6GC5	1.83	1.64	1.46
6GE5*	2.05	1.85	1.64
6GF5*	1.85	1.67	1.48
6GF7 Novar	2.58	2.32	2.06
6GH8A	1.58	1.42	1.26
6GJ5 Novar	2.28	2.05	1.82
6GJ7	1.80	1.62	1.44
6GK5	2.03	1.82	1.62
6GK6	1.45	1.31	1.16
6GL7	2.55	2.30	2.04
6GM5	1.60	1.44	1.28
6GM6	1.45	1.31	1.16
6GM8/ECC86	2.33	2.09	1.86
6GN8	1.98	1.78	1.58
6GT5 Novar	2.10	1.89	1.68
6GU5	2.10	1.89	1.68
6GU7	1.48	1.33	1.18
6GV5*	2.20	1.98	1.76
6GV8	1.65	1.49	1.32
6GW6	2.08	1.87	1.66
6GW8/ECL86	1.60	1.44	1.28
6GX6	1.25	1.13	1.00
6GY5*	2.45	2.21	1.96
6GY6	1.25	1.13	1.00
6GY8	1.90	1.71	1.52
6GZ5	1.45	1.31	1.16
6H6	2.00	1.80	1.60
6HA5/ECC90	2.03	1.82	1.62
6HA6	2.38	2.14	1.90
6HB5*	2.23	2.00	1.78
6HB6	2.38	2.14	1.90
6HB7	1.60	1.44	1.28
6HD5*	2.85	2.57	2.28
6HE5*	1.98	1.78	1.58
6HF5*	3.88	3.49	3.10
6HF8	1.98	1.78	1.58
6HG5	1.08	.97	.86
6HG8	2.18	1.96	1.74
6HJ5	3.08	2.77	2.46
6HJ8	1.65	1.49	1.32
6HK5	2.38	2.14	1.90
6HL8	1.63	1.46	1.30
6HM5/6HA5	2.05	1.85	1.64
6HR6	1.45	1.31	1.16
6HS6	1.45	1.31	1.16
6HS8	1.60	1.44	1.28
6HW8	5.15	4.64	4.12
6HZ6	1.33	1.19	1.06
6HZ8	2.90	2.61	2.32
6J5	1.83	1.64	1.46
6J5GT	1.83	1.64	1.46
6J6A	1.40	1.26	1.12
6J7	2.48	2.23	1.98
6J10*	2.65	2.39	2.12
6J11*	2.40	2.16	1.92
6JB6 Novar	2.28	2.05	1.82
6JC6	2.00	1.80	1.60
6JC8	1.53	1.37	1.22
6JD6	1.75	1.58	1.40
6JE6 Novar	4.50	4.05	3.60
6JE8	1.98	1.78	1.58
6JG6	3.03	2.72	2.42

Receiving Tubes

QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
6JH6	1.30	1.17	1.04
6JH8	2.18	1.96	1.74
6JK8	1.78	1.60	1.42
6JM6	2.20	1.98	1.76
6JN6	2.05	1.85	1.64
6JN8	1.93	1.73	1.54
6JT6	2.55	2.30	2.04
6JT8	2.13	1.91	1.70
6JU8	1.60	1.44	1.28
6JV8	2.13	1.91	1.70
6JZ8	1.88	1.69	1.50
6K6GT	1.33	1.19	1.06
6K7	2.48	2.23	1.98
6K7GT	2.48	2.23	1.98
6K8	3.75	3.38	3.00
6K11/6Q11	1.93	1.73	1.54
6KA8	2.03	1.82	1.62
6KD8	1.48	1.33	1.18
6KE8	2.53	2.27	2.02
6KL8	1.38	1.24	1.10
6KM8	1.70	1.53	1.36
6KR8A	2.25	2.03	1.80
6KT8	1.63	1.46	1.30
6KV8	3.10	2.79	2.48
6KY8	3.85	3.47	3.08
6KZ8	1.38	1.24	1.10
6L6	4.30	3.87	3.44
6L6GC	2.18	1.96	1.74
6L7	3.68	3.31	2.94
6LB8	2.88	2.59	2.30
6LC8	2.03	1.82	1.62
6LF8	1.85	1.67	1.48
6M11*	2.43	2.18	1.94
6N5	Use 6AB5/6N5		
6N7	2.50	2.25	2.00
6N7GT	2.63	2.36	2.10
6Q7	2.65	2.39	2.12
6R7	2.73	2.45	2.18
6S4A	1.23	1.10	.98
6S8GT	2.20	1.98	1.76
6SA7	2.15	1.94	1.72
6SA7GT	2.15	1.94	1.72
6SB7Y	3.15	2.84	2.52
6SC7	2.25	2.03	1.80
6SF5	1.85	1.67	1.48
6SF5GT	1.60	1.44	1.28
6SF7	3.13	2.81	2.50
6SG7	2.30	2.07	1.84
6SH7	2.33	2.09	1.86
6SJ7	2.08	1.87	1.66
6SJ7GT	2.08	1.87	1.66
6SK7	1.98	1.78	1.58
6SK7GT	2.10	1.89	1.68
6SL7GT	1.75	1.58	1.40
6SN7GTB	1.30	1.17	1.04
6SQ7	1.88	1.69	1.50
6SQ7GT	1.90	1.71	1.52
6SR7	1.95	1.76	1.56
6SS7	2.75	2.48	2.20
6T4	2.73	2.45	2.18
6T8A	1.70	1.53	1.36
6T9*	1.83	1.64	1.46
6T10*	2.25	2.03	1.80
6U5	2.78	2.50	2.22
6U8A	1.65	1.49	1.32
6U10*	1.95	1.76	1.56
6V3A	2.43	2.18	1.94
6V4/EZ80	.80	.72	.64
6V6	3.38	3.04	2.70
6V6GTA	1.10	.99	.88
6W4GT	1.20	1.08	.96
6W6GT	1.43	1.28	1.14
6X4	.83	.74	.66
6X5GT	1.05	.95	.84
6X8	1.58	1.42	1.26
6Y6G	2.15	1.94	1.72
6Y6GA	2.15	1.94	1.72
6Z4	Use 84/6Z4		
7A4	3.75	3.38	3.00
7A5	3.00	2.70	2.40
7A6	3.70	3.33	2.96
7A7	3.78	3.40	3.02
7A8	4.13	3.72	3.30
7AF7	3.30	2.97	2.64
7AG7	4.20	3.78	3.36
7AU7	1.30	1.17	1.04

TubeType	EA. in Quantities of:		
	1-9	10-49	50-Up
7B4	3.60	3.24	2.88
7B7	4.05	3.65	3.24
7B8	2.98	2.68	2.38
7C5	1.75	1.58	1.40
7C6	3.88	3.49	3.10
7C7	1.80	1.62	1.44
7EY6	1.58	1.42	1.26
7F7	3.98	3.58	3.18
7F8	4.38	3.94	3.50
7GV7	2.08	1.87	1.66
7H7	3.20	2.88	2.56
7HG8/PCF86	1.68	1.51	1.34
7K7	4.30	3.87	3.44
7N7	3.78	3.40	3.02
7V7	2.45	2.21	1.96
7W7	3.50	3.15	2.80
7X7	4.05	3.65	3.24
7Y4	3.58	3.22	2.86
7Z4	3.45	3.11	2.76
8AU8	2.03	1.82	1.62
8AW8A	1.85	1.67	1.48
8B10*	1.78	1.60	1.42
8BA8A	1.83	1.64	1.46
8BH8	1.78	1.60	1.42
8BN8	1.63	1.46	1.30
8BQ5	1.45	1.31	1.16
8CG7	1.25	1.13	1.00
8CM7	1.45	1.31	1.16
8CN7	1.40	1.26	1.12
8CS7	1.48	1.33	1.18
8CX8	2.18	1.96	1.74
8CW5	1.48	1.33	1.18
8EB8	2.00	1.80	1.60
8EM5	1.73	1.55	1.38
8ET7	2.20	1.98	1.76
8FQ7	1.38	1.24	1.10
8GN8	1.98	1.78	1.58
8JV8	1.93	1.73	1.54
8KA8	2.05	1.85	1.64
8LC8	2.05	1.85	1.64
9A8/PCF80	2.00	1.80	1.60
9AU7	1.40	1.26	1.12
9BR7	1.68	1.51	1.34
9CL8	1.58	1.42	1.26
9EA8	1.60	1.44	1.28
9GV8	2.00	1.80	1.60
9KV8	2.00	1.80	1.60
9KZ8	1.28	1.15	1.02
10AL11*	2.23	2.00	1.78
10C8	2.13	1.91	1.70
10DE7	1.70	1.53	1.36
10DR7	2.18	1.96	1.74
10DX8	1.53	1.37	1.22
10EG7	2.30	2.07	1.84
10EM7	2.38	2.14	1.90
10EW7	2.08	1.87	1.66
10GN8	1.90	1.71	1.52
10HF8	2.33	2.09	1.86
10KR8	2.25	2.03	1.80
10JA8	1.90	1.71	1.52
10JY8	1.93	1.73	1.54
11AR11*	2.18	1.96	1.74
11CY7	1.63	1.46	1.30
11JE8	2.03	1.82	1.62
11KV8	3.13	2.81	2.50
12AB5	1.75	1.58	1.40
12AC6	1.10	.99	.88
12AD6	1.20	1.08	.96
12AE6A	1.20	1.08	.96
12AE7	1.88	1.69	1.50
12AF3	1.45	1.31	1.16
12AF6	1.38	1.24	1.10
12AH7GT	2.78	2.50	2.22
12AJ6	1.28	1.15	1.02
12AL5	.95	.86	.76
12AL8	3.28	2.95	2.62
12AL11*	2.23	2.00	1.78
12AQ5	1.30	1.17	1.04
12AT6	.93	.83	.74
12AT7	1.53	1.37	1.22
12AU6	1.08	.97	.86
12AU7A	1.23	1.10	.98
12AV5GA	2.03	1.82	1.62
12AV6	.83	.74	.66
12AV7	1.83	1.64	1.46
12AW6	1.65	1.49	1.32

Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
12AX3	1.38	1.24	1.10
12AX4GTB	1.35	1.21	1.08
12AX7A	1.28	1.15	1.02
12AY3 Novar	1.40	1.26	1.12
12AY7	2.38	2.14	1.90
12AZ7A	1.38	1.24	1.10
12B4A	1.43	1.28	1.14
12BA6	.83	.74	.66
12BA7	2.98	2.68	2.38
12BD6	1.23	1.10	.98
12BE3*	1.38	1.24	1.10
12BE6	.88	.79	.70
12BF6	1.10	.99	.88
12BH7A	1.53	1.37	1.22
12BK5	2.00	1.80	1.60
12BL6	1.33	1.19	1.06
12BN6	1.95	1.76	1.56
12BQ6GTB/ 12CU6	2.23	2.00	1.78
12BR7	1.60	1.44	1.28
12BT3*	1.45	1.31	1.16
12BV7	1.75	1.58	1.40
12BW4	1.45	1.31	1.16
12BY7A	1.60	1.44	1.28
12BZ6	1.13	1.01	.90
12BZ7	2.20	1.98	1.76
12C5	Use 12CU5/12C5		
12CA5	1.43	1.28	1.14
12CN5	1.73	1.55	1.38
12CR6	1.38	1.24	1.10
12CT8	2.13	1.91	1.70
12CU5/12C5	1.23	1.10	.98
12CU6	Use 12BQ6GTB/12CU6		
12CX6	1.45	1.31	1.16
12D4	1.45	1.31	1.16
12DB5	1.38	1.24	1.10
12DE8	1.65	1.49	1.32
12DK6	1.20	1.08	.96
12DK7	1.48	1.33	1.18
12DL8	2.90	2.61	2.32
12DQ6B	2.10	1.89	1.68
12DQ7	1.73	1.55	1.38
12DS7	1.98	1.78	1.58
12DT5	1.53	1.37	1.22
12DT8	1.90	1.71	1.52
12DU7	2.03	1.82	1.62
12DV8	1.93	1.73	1.54
12DW7	1.63	1.46	1.30
12DW8	1.78	1.60	1.42
12DY8	4.20	3.78	3.36
12DZ6	1.38	1.24	1.10
12EA6	1.33	1.19	1.06
12EC8	1.80	1.62	1.44
12ED5	1.43	1.28	1.14
12EG6	1.60	1.44	1.28
12EK6	1.45	1.31	1.16
12EL6	1.00	.90	.80
12EM6	1.58	1.42	1.26
12EN6	1.53	1.37	1.22
12EQ7	1.45	1.31	1.16
12EZ6	1.15	1.04	.92
12F8	1.53	1.37	1.22
12FK6	1.15	1.04	.92
12FM6	1.15	1.04	.92
12FQ8	1.60	1.44	1.28
12FR8	2.40	2.16	1.92
12FV7	1.83	1.64	1.46
12FX5	1.33	1.19	1.06
12FX8A	2.03	1.82	1.62
12GA6	1.28	1.15	1.02
12GC6	2.10	1.89	1.68
12GE5*	1.90	1.71	1.52
12GJ5 Novar	2.30	2.07	1.84
12GN7	2.08	1.87	1.66
12GT5 Novar	2.13	1.91	1.70
12H6	1.98	1.78	1.58
12J5GT	2.18	1.96	1.74
12J8	2.30	2.07	1.84
12JB6 Novar	3.00	2.70	2.40
12JN8	1.95	1.76	1.56
12K5	1.83	1.64	1.46
12K7GT	3.50	3.15	2.80
12KL8	1.30	1.17	1.04
12L6GT	1.38	1.24	1.10
12R5	1.55	1.40	1.24

TUBES CONTINUED ON NEXT PAGE

Allied Also Has Complete Stocks of TV, Special-Purpose and Audio Tubes

Receiving Tubes (Cont'd)

QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
12SA7	2.15	1.94	1.72
12SA7GT	2.15	1.94	1.72
12SC7	2.75	2.48	2.20
12SF5	2.13	1.91	1.70
12SF7	3.30	2.97	2.64
12SG7	2.33	2.09	1.86
12SH7	2.88	2.59	2.30
12SJ7	2.10	1.89	1.68
12SK7	1.98	1.78	1.58
12SK7GT	1.98	1.78	1.58
12SL7GT	1.88	1.69	1.50
12SN7GTA	1.35	1.21	1.08
12SQ7	1.88	1.69	1.50
12SQ7GT	1.88	1.69	1.50
12SR7	2.73	2.45	2.18
12U7	1.33	1.19	1.06
12V6GT	1.45	1.31	1.16
12W6GT	1.60	1.44	1.28
12X4	.95	.86	.76
13CW4 Nuvistor	2.23	2.00	1.78
13DE7	1.48	1.33	1.18
13DR7	1.70	1.53	1.36
13EM7	2.58	2.32	2.06
13FD7	2.43	2.18	1.94
13FM7	1.60	1.44	1.28
13GB5	1.75	1.58	1.40
13GF7 Novar	2.30	2.07	1.84
13J10*	2.68	2.41	2.14
14A7	2.95	2.66	2.36
14AF7	3.03	2.72	2.42
14B6	2.80	2.52	2.24
14C7	3.30	2.97	2.64
14F7	4.48	4.03	3.58
14F8	3.35	3.02	2.68
14GT8	1.60	1.44	1.28
14JG8	1.50	1.35	1.20
14Q7	3.10	2.79	2.48
14R7	3.60	3.24	2.88
15AF11*	2.53	2.27	2.02
15BD11*	2.58	2.32	2.06
15CW5/PL84	1.40	1.26	1.12
15DQ8	1.88	1.69	1.50
15EW6	1.38	1.24	1.10
15FM7*	1.83	1.64	1.46
15FY7*	1.73	1.55	1.38
15HB6	1.65	1.49	1.32
15LE8	4.05	3.65	3.24
15KY8 Novar	2.53	2.27	2.02
16A8	1.85	1.67	1.48
16AQ3	1.43	1.28	1.14
16GK6	1.60	1.44	1.28
16GY5	2.48	2.23	1.98
17AX3*	1.38	1.24	1.10
17AX4GTA	1.45	1.31	1.16
17AY3 Novar	1.40	1.26	1.12
17BE3*	1.53	1.37	1.22
17BF11*	2.40	2.16	1.92
17BH3 Novar	1.53	1.37	1.22
17BQ6GTB	2.78	2.50	2.22
17BS3 Novar	1.75	1.58	1.40
17C9	3.08	2.77	2.46
17CU5	1.23	1.10	.98
17D4	1.38	1.24	1.10
17DA4	1.45	1.31	1.16

Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
17DE4	1.70	1.53	1.36
17DM4	1.60	1.44	1.28
17DQ6B	2.10	1.89	1.68
17EW8/HCC85	1.40	1.26	1.12
17GE5*	2.08	1.87	1.66
17GJ5 Novar	2.30	2.07	1.84
17GT5 Novar	2.13	1.91	1.70
17GV5*	2.23	2.00	1.78
17GW6	2.13	1.91	1.70
17H3	1.25	1.13	1.00
17JB6 Novar	2.30	2.07	1.84
17JM6	2.23	2.00	1.78
17JZ8*	1.90	1.71	1.52
18A5	2.08	1.87	1.66
18FW6A	1.08	.97	.86
18FX6A	1.18	1.06	.94
18FY6A	.95	.86	.76
18GD6A	1.08	.97	.86
19AU4	1.90	1.71	1.52
19AU4GTA	1.90	1.71	1.52
19BG6GA	3.25	2.93	2.60
19CL8A	1.75	1.58	1.40
19EA8	1.70	1.53	1.36
19EZ8	1.90	1.71	1.52
19GQ7	2.48	2.23	1.98
19HR6	1.23	1.10	.98
19HS6	1.28	1.15	1.02
19HV8	1.90	1.71	1.52
19J6	1.98	1.78	1.58
19JN8	1.60	1.44	1.28
19KG8	1.40	1.26	1.12
19T8	1.75	1.58	1.40
19X8	2.18	1.96	1.74
20EZ7	1.83	1.64	1.46
21EX6	2.85	2.57	2.28
21GY5	2.45	2.21	1.96
21HB5A	2.30	2.07	1.84
21HJ5	3.10	2.79	2.48
22BH3 Novar	1.53	1.37	1.22
22BW3	1.63	1.46	1.30
22DE4	1.55	1.40	1.24
22JG6 Novar	3.05	2.75	2.44
23Z9	2.53	2.27	2.02
25AV5GA	2.33	2.09	1.86
25AX4GT	1.60	1.44	1.28
25BK5	1.83	1.64	1.46
25BQ6GTB/25CU6	2.33	2.09	1.86
25C5	1.08	.97	.86
25CA5	1.55	1.40	1.24
25CD6GB	3.05	2.75	2.44
25CU6	Use 25BQ6GTB/25CU6		
25DK4	.88	.79	.70
25DN6	3.18	2.86	2.54
25EC6	2.85	2.57	2.28
25EH5	1.25	1.13	1.00
25F5A	2.03	1.82	1.62
25L6GT	1.33	1.19	1.06
25W4GT	1.35	1.21	1.08
25W6GT	1.63	1.46	1.30
25Z5	2.30	2.07	1.84
25Z6GT	1.53	1.37	1.22
27GB5/PL500	1.98	1.78	1.58
29GK6	1.90	1.71	1.52
30AG11	1.98	1.78	1.58

Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
32ET5A	1.28	1.15	1.02
33GT7	3.70	3.33	2.96
33GY7	3.23	2.90	2.58
34GD5A	1.18	1.06	.94
35A5	3.00	2.70	2.40
35B5	1.70	1.53	1.36
35C5	1.08	.97	.86
35DZ8	1.73	1.55	1.38
35EH5	1.15	1.04	.92
35GL6	1.25	1.13	1.00
35L6GT	1.20	1.08	.96
35W4	.55	.50	.44
35Y4	2.40	2.16	1.92
35Z3	2.50	2.25	2.00
35Z4GT	1.35	1.21	1.08
35Z5GT	.93	.83	.74
36AM3B	.80	.72	.64
38HE7	3.55	3.20	2.84
42	2.58	2.32	2.06
43	3.80	3.42	3.04
45B5/UL84	1.50	1.35	1.20
50A5	3.13	2.81	2.50
50B5	1.38	1.24	1.10
50BM8	1.65	1.49	1.32
50C5	1.08	.97	.86
50DC4	.95	.86	.76
50EH5	1.15	1.04	.92
50FE5	2.18	1.96	1.74
50FK5	1.15	1.04	.92
50HC6	1.15	1.04	.92
50HK6	1.15	1.04	.92
50L6GT	1.28	1.15	1.02
50X6	3.10	2.79	2.48
50Y6GT	2.30	2.07	1.84
50Y7GT	2.25	2.03	1.80
60FX5	1.38	1.24	1.10
75	3.40	3.06	2.72
80	2.10	1.89	1.68
84/6Z4	1.83	1.64	1.46
117L7/117M7GT	5.08	4.57	4.06
117M7GT	Use 117L7/117M7GT		
117N7GT	6.80	6.12	5.44
117P7GT	6.80	6.12	5.44
117Z3	2.18	1.96	1.74
117Z6GT	3.55	3.20	2.84
5879	1.88	1.69	1.50
5881	3.20	2.88	2.56
6973	2.25	2.03	1.80
7025	1.48	1.33	1.18
7027A	3.30	2.97	2.64
7189	1.43	1.28	1.14
7199	2.03	1.82	1.62
7247	1.53	1.37	1.22
7355	1.53	1.37	1.22
7408	1.33	1.19	1.06
7543	1.55	1.40	1.24
7581A	2.25	2.03	1.80
7591	1.48	1.33	1.18
7695	2.20	1.98	1.76
7868 Novar	1.83	1.64	1.46
8136	1.25	1.13	1.00
8425A/6AU6A	1.25	1.13	1.00
8426A/12AU6A	1.40	1.26	1.12

ARGOS SERVICEMEN'S TUBE CADDIES

JUNIOR TUBE CADDY

$9.55

Type TC-201. Easy-to-carry—only two-thirds the size and weight of ordinary caddies. Perfect for quick servicing trips. Holds up to 143 tubes with room for meters, tools, etc. "Break-open" section has cover and snap lock for keeping small parts in order. Brown vinyl covering is long-wearing and abrasion-resistant. Has clasp lock. Plastic handle. 12½x15¾x8". Shpg. wt., 10 lbs.

50 NX 838........................9.55

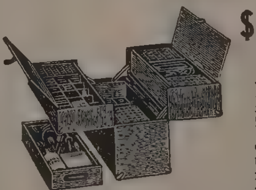
"CARRY-ALL" CADDY

$15.32

Type TC-4. One of the most popular caddies sold. Carries up to 262 tubes with room for soldering gun, meter, probes and assorted small parts. "Break-away" design permits quick access to all sections. Partitions aid in orderly arrangement of parts. Has two clasp locks; plastic carrying handle. Scuff-proof brown vinyl covering. 15x21x8". Shpg. wt., 12 lbs.

52 NX 735........................15.32

SUPER TUBE CADDY



$20.98

Type TC-5. Ruggedly built, double-door caddy for tubes, tools, meters and parts. Carries up to 325 tubes with plenty of space for small parts. For the serviceman who believes in carrying a full load to save extra trips. Has removable 2¾" deep tray featuring "egg crate" design for fuses, bulbs, etc. Brown vinyl. 16½x24x8½". 19 lbs.

52 NX 738. *$5 Monthly*..........20.98

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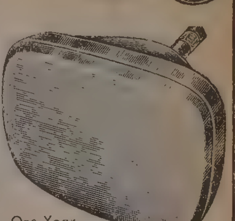
- Replace Almost All Existing TV Tubes
- Most Tubes Have Aluminized Screens



One-Year Guarantee

Allied can supply all your replacement picture tubes from our complete stocks of premium-quality RCA and G.E. tubes. Most have aluminized screens for greater contrast and brighter picture. All materials and parts used in the manufacture of the picture tubes are brand-new, except for the envelope, which prior to reuse was carefully inspected at the factory to meet the standards of the original new envelope. Where alternate tubes are indicated for original types that are no longer being manufactured, the substitute is directly interchangeable in the television set. G.E. or RCA tubes will be supplied, whichever is in stock at the time that your order is received, unless otherwise specified. Types marked with * (asterisk) are not aluminized. All tubes carry a full one-year guarantee. *When ordering, please specify Dept. No. and Tube Type*, thus AU3-5AXP4.

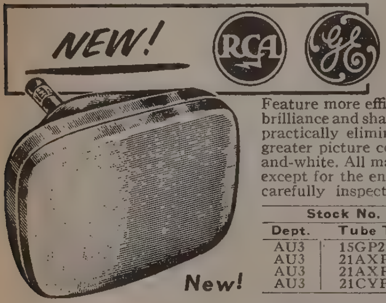
Stock No.		Wt., Lbs.	EACH
Dept.	Tube Type		
AU3	5AXP4*	4	25.68
AU3	8DP4*	......	24.14
AU3	8XP4*	6	28.37
AU3	8YP4	6	31.08
AU3	9QP4A	......	28.86
AU3	10BP4C*	......	Use 10FP4A
AU3	10BP4D*	......	Use 10FP4A
AU3	10CP4*	......	Use 10FP4A
AU3	10EP4*	......	Use 10FP4A
AU3	10FP4A	13	29.48
AU3	12JP4*	......	Use 12KP4A
AU3	12KP4A	17	28.86
AU3	12LP4A*	......	Use 12KP4A
AU3	12LP4C*	......	Use 12KP4A
AU3	12QP4*	......	Use 12KP4A
AU3	12QP4A*	......	Use 12KP4A
AU3	12TP4*	......	Use 12KP4A
AU3	12ZP4/A*	......	Use 12KP4A
AU3	14ATP4	12	26.56
AU3	14BAP4	......	Use 14QP4B
AU3	14BP4/A*	......	Use 14EP4
AU3	14BP4A*	......	Use 14EP4
AU3	14CP4*	......	Use 14EP4
AU3	14CP4A*	......	Use 14EP4
AU3	14DP4*	......	Use 14EP4
AU3	14EP4*	14	26.80
AU3	14HP4*	......	Use 14QP4B
AU3	14NP4	......	Use 14WP4
AU3	14NP4A	......	Use 14WP4
AU3	14QP4A	......	Use 14QP4B
AU3	14QP4B	......	28.03
AU3	14RP4	......	Use 14WP4
AU3	14RP4A	......	Use 14WP4
AU3	14SP4	......	Use 14WP4
AU3	14WP4	12	29.64
AU3	14ZP4	......	Use 14WP4
AU3	16AP4A*	17	26.59
AU3	16ASP4	......	38.47
AU3	16ATP4	......	37.37
AU3	16AYP4	9	29.48
AU3	16BUP4	......	44.77
AU3	16BVP4	......	36.85
AU3	16CP4*	......	Use 16LP4A
AU3	16DP4A*	23	18.43
AU3	16GP4/B*	16	26.11
AU3	16KP4/A	......	Use 16RP4A
AU3	16KP4A	......	Use 16RP4A
AU3	16LP4A*	25	20.89
AU3	16QP4*	......	Use 16RP4A
AU3	16RP4A	21	28.26
AU3	16SP4A*	......	Use 16WP4A
AU3	16TP4*	21	28.26
AU3	16UP4*	......	Use 16RP4A
AU3	16VP4*	......	Use 16WP4A
AU3	16WP4A*	21	30.70
AU3	16XP4*	......	Use 16RP4A
AU3	16YP4*	......	Use 16WP4A
AU3	16ZP4*	......	Use 16LP4A
AU3	17AP4*	......	Use 17BP4D
AU3	17ATP4/A*	......	Use 17BJP4
AU3	17AVP4/A*	......	Use 17BJP4
AU3	17BJP4	17	25.51
AU3	17BP4B	......	Use 17BP4D
AU3	17BP4D	......	23.80
AU3	17BRP4	......	Use 17DSP4
AU3	17BUP4	......	Use 17BJP4
AU3	17BVP4	......	Use 17CSP4
AU3	17BWP4	......	Use 17CSP4
AU3	17BZP4	......	Use 17DSP4
AU3	17CAP4	......	Use 17DSP4
AU3	17CBP4*	......	Use 17BJP4
AU3	17CDP4*	14	34.88
AU3	17CFP4	17	25.51
AU3	17CKP4	......	Use 17DSP4
AU3	17CLP4	......	Use 17BJP4
AU3	17CP4	16	25.80
AU3	17CRP4	......	24.32
AU3	17CSP4	13	27.94
AU3	17CWP4	......	Use 17DSP4
AU3	17CYP4	17	32.36
AU3	17DAP4	13	33.30
AU3	17DKP4	14	27.94
AU3	17DLP4	......	Use 17DSP4
AU3	17DQP4	13	27.34
AU3	17DRP4	14	31.98
AU3	17DSP4	13	27.34
AU3	17DTP4	......	Use 17DKP4
AU3	17DXP4	14	27.34
AU3	17DZP4	......	Use 17DXP4
AU3	17GP4*	16	28.26
AU3	17HP4B	......	Use 17HP4C
AU3	17HP4C	16	23.80
AU3	17JP4	......	Use 17BP4D
AU3	17LP4A	......	Use 17LP4B
AU3	17LP4B	16	23.34
AU3	17QP4A	......	Use 17QP4B
AU3	17QP4B	14	24.34
AU3	17RP4*	......	Use 17HP4C
AU3	17RP4C	......	Use 17HP4C
AU3	17TP4*	16	20.27
AU3	17UP4*	......	Use 17QP4B
AU3	17VP4*	......	Use 17LP4B
AU3	17VP4B*	......	Use 17LP4B
AU3	17YP4*	......	Use 17QP4B
AU3	19ABP4	19	34.56
AU3	19ACP4	......	Use 19CHP4
AU3	19AFP4	......	Use 19AUP4
AU3	19AHP4	19	30.87
AU3	19AJP4	19	30.87
AU3	19AP4A	24	30.17
AU3	19AP4B*	27	34.70
AU3	19ARP4	......	Use 19AFP4
AU3	19AUP4	......	38.08
AU3	19AVP4	......	30.87
AU3	19AXP4	......	Use 19AYP4
AU3	19AYP4	24	30.87
AU3	19BDP4	24	30.87
AU3	19BHP4	26	34.34
AU3	19CHP4	24	30.87
AU3	19CUP4	26	37.89
AU3	19DEP4	26	37.89
AU3	20CP4D	24	30.27
AU3	20DP4/A/B	......	Use 20CP4D
AU3	20DP4C/D	24	33.17
AU3	20HP4/A/B/C/D	26	33.17
AU3	20HP4E	26	33.17
AU3	20LP4*	......	Use 20HP4E
AU3	20MP4*	......	Use 20HP4E
AU3	21ACP4/A	......	Use 21AMP4B
AU3	21AFP4*	......	Use 21YP4B
AU3	21ALP4/A/B	......	Use 21CBP4A
AU3	21AMP4A	......	Use 21AMP4B
AU3	21AMP4B	25	24.59
AU3	21AMP23A	......	Use 21ACP4A
AU3	21ANP4/A	......	Use 21CBP4A
AU3	21ANP4A*	......	Use 21CBP4A
AU3	21AP4*	25	40.24
AU3	21AQP4/A	......	Use 21AMP4B
AU3	21ASP4*	......	Use 21XP4A
AU3	21ATP4	......	Use 21CBP4
AU3	21ATP4A*	......	Use CBP4A
AU3	21ATP4B*	......	Use 21CBP4A
AU3	21AUP4/A/B	26	Use 21AVP4B/C
AU3	21AVP4B	......	Use 21AUP4B/C
AU3	21AVP4B/C	24	29.48
AU3	21AWP4	......	Use 21AWP4A
AU3	21AWP4A	26	29.48
AU3	21AYP4*	......	Use 21XP4A
AU3	21BAP4*	......	Use 21CBP4A
AU3	21BCP4	......	Use 21YP4B
AU3	21BDP4	......	Use 21AUP4B
AU3	21BNP4	......	Use 21CBP4A
AU3	21BSP4	......	Use 21AMP4B
AU3	21BTP4	......	Use 21CBP4A
AU3	21CBP4/A	33	24.59
AU3	21CEP4	......	Use 21DFP4
AU3	21CEP4A	......	Use 21DFP4
AU3	21CMP4	......	Use 21CBP4A
AU3	21CQP4	20	31.95
AU3	21CUP4	......	Use 21AMP4B
AU3	21CVP4	......	Use 21CBP4A
AU3	21CWP4	......	Use 21CBP4A
AU3	21CXP4	......	Use 21DSP4
AU3	21CZP4	......	Use 21DEP4A
AU3	21DAP4	......	Use 21DEP4A
AU3	21DEP4A	26	36. 16
AU3	21DFP4	33	31.95
AU3	21DHP4	32	29.80
AU3	21DLP4	30	28.26
AU3	21DMP4	......	Use 21FAP4
AU3	21DNP4	......	Use 21CBP4A
AU3	21DQP4	......	Use 21DLP4
AU3	21DSP4	37	28.26
AU3	21EAP4	......	Use 21FDP4
AU3	21EMP4	......	Use 21EQP4
AU3	21EP4B	......	Use 21EP4C
AU3	21EP4/A/B/C	29	29.48
AU3	21EQP4	29	31.95
AU3	21ESP4	......	Use 21FAP4
AU3	21EVP4	29	38.70
AU3	21FAP4	29	31.95
AU3	21FDP4	29	38.70
AU3	21FLP4	......	Use 21CBP4A
AU3	21FMP4	30	36.16
AU3	21FP4/A/C/D	29	29.48
AU3	21MP4*	25	42.08
AU3	21WP4/A/B	31	30.41
AU3	21XP4/A/B	33	30.41
AU3	21YP4/A/B	32	24.26
AU3	21ZP4/A/B/C	33	24.26
AU3	23AFP4	......	Use 23YP4
AU3	23AHP4	39	37.77
AU3	23ALP4	34	37.77
AU3	23ANP4	......	Use 23BLP4
AU3	23ASP4	36	37.77
AU3	23ATP4	......	Use 23BLP4
AU3	23AUP4	......	Use 23AHP4

TUBES CONTINUED ON NEXT PAGE

TV and Special-Purpose Tubes

TV PICTURE TUBES (Cont'd)

Stock No.		Wt., Lbs.	EACH
Dept.	Tube Type		
AU3	23AVP4	......	Use 23CP4
AU3	23A WP4	......	Use 23BJP4
AU3	23BDP4	......	Use 23YP4
AU3	23BGP4	36	44.22
AU3	23BKP4	......	Use 23BLP4
AU3	23BHP4	35	Use 23BGP4
AU3	23BJP4	......	37.77
AU3	23BLP4	45	45.44
AU3	23BMP4	......	Use 23BTP4
AU3	23BNP4	......	Use 23CP4
AU3	23BQP4	......	Use 23CBP4
AU3	23BTP4	......	Use 23YP4
AU3	23BVP4	......	Use 23YP4
AU3	23CBP4	35	45.44
AU3	23CP4/A	41	44.22
AU3	23CQP4	36	37.77
AU3	23CZP4	......	Use 23AHP4
AU3	23DAP4	28	40.24
AU3	23DBP4	30	39.31
AU3	23DKP4	31	43.83
AU3	23DLP4	......	Use 23ENP4
AU3	23DQP4	32	49.87
AU3	23DSP4	31	49.87
AU3	23D WP4	33	48.62
AU3	23DYP4	36	43.91
AU3	23ENP4	33	40.54
AU3	23ESP4	35	52.21
AU3	23EP4	41	44.22
AU3	23FBP4	40	43.00
AU3	23FP4/A	34	37.77
AU3	23GP4	......	Use 23CP4
AU3	23HP4	......	Use 23CP4
AU3	23JP4	43	44.22
AU3	23KP4	......	Use 23FP4A
AU3	23KP4A	......	Use 23FP4A
AU3	23 MP4	......	Use 23FP4A
AU3	23 MP4A	......	Use 23FP4A
AU3	23NP4	40	37.77
AU3	23TP4	42	47.41
AU3	23UP4	......	Use 23CBP4
AU3	23 WP4	......	Use 23FP4A
AU3	23XP4	......	Use 23YP4
AU3	23YP4	48	44.22
AU3	24ADP4	......	Use 24CP4B
AU3	24AEP4	46	41.39
AU3	24AHP4	40	44.72
AU3	24AJP4	44	46.68
AU3	24ALP4	......	Use 24AHP4
AU3	24ANP4	......	Use 24AEP4
AU3	24ATP4	39	52.63
AU3	24AUP4	39	41.39
AU3	24AVP4	......	Use 24BEP4
AU3	24BAP4	34	57.00
AU3	24BEP4	36	53.13
AU3	24CP4A	......	Use 24CP4B
AU3	24CP4/A/B	33	41.39
AU3	24DP4/A	......	Use 24AEP4
AU3	24QP4*	......	Use 24CP4B
AU3	24TP4	......	Use 24CP4B
AU3	24VP4/A	......	Use 24CP4B
AU3	24XP4*	......	Use 24CP4B
AU3	24YP4	......	Use 24AEP4
AU3	24ZP4	......	Use 24AEP4
AU3	27EP4	......	Use 27RP4A
AU3	27GP4*	......	Use 27RP4A
AU3	27 MP4	42	73.70
AU3	27 NP4*	......	Use 27RP4A
AU3	27RP4*	......	Use 27RP4A
AU3	27RP4A	62	71.86
AU3	27XP4	52	75.85



COLOR TV PICTURE TUBES

Deliver Vivid Color Images . .
Sharp Black-and-White, Too

Glareproof Screens Reduce
Light Reflections

Feature more efficient phosphors for greater color brilliance and sharper pictures. Glareproof screens practically eliminate room light reflections, give greater picture contrast on both color and black-and-white. All materials and parts are brand new, except for the envelope, which prior to reuse was carefully inspected to meet standards of the original new envelope. RCA or G.E. tubes will be supplied, whichever is in stock at time order is received, unless otherwise specified. All tubes carry a full one-year guarantee. *When ordering, specify full Stock Number, which consists of the Department Number and the Manufacturer's Tube Type, For example: AU3-21AXP22A.*

Stock No.		Wt., Lbs.	EACH
Dept.	Tube Type		
AU3	15GP22	..	135.15
AU3	21AXP22	..	Use 21AXP22A
AU3	21AXP22A	38	103.77
AU3	21CYP22	...	Use 21CYP22A
AU3	21CYP22A	45	103.75
AU3	21FBP22	45	108.18
AU3	21FJP22	54	119.11
AU3	21FKP22	...	Use 21FJP22

SPECIAL-PURPOSE HIGH-RELIABILITY TUBES

KEY TO NAMES OF MANUFACTURERS

AMP-E4	Amperex Elect. Corp.	NU-E19	National Union
CEI-E23	Calvert Electronics	RCA-E1	Radio Corp. America
CE-E15	Cetron	RAY-E2	Raytheon Mfg. Co.
DUM-E6	Dumont	SYL-E12	Sylvania Electric
GE-E3	General Electric	THER-E18	Thermosen, Inc.
MULL-E21	Mullard Products	TUNG-E14	Tungsol
NAT-E10	National Electronics, Inc.	VIC-E20	Victoreen Instrument

- Over 1300 Tube Types in Stock from 18 Manufacturers
- Full Warranty Protection on All Tubes

High-reliability tubes for commercial, military, Amateur, high-fidelity and experimental use. Carefully made and thoroughly tested—assure optimum performance of electronic equipment by minimizing tube failure. Audio tubes provide full fidelity, hum-free operation. Suffix MP indicates laboratory-balanced matched pairs. DI means directly interchangeable.

This is a partial listing of Allied's large stock. Write for information on any high-fidelity or special-purpose tube not listed. **How to Order:** Be sure to give the full Stock Number, which consists of the Department No. and Manufacturer's Type, thus: E1-OA2.

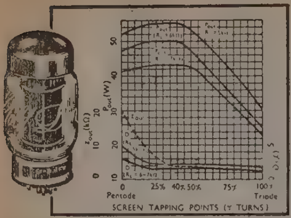
Stock No.		EACH
Dept.	Tube Type	
E1	OA2	1.32
E23	OA2	1.25
E1	OA2 WA	3.35
E2	OA2 WA	3.32
E1	OA3	1.54
E3	OA4G	1.90
E12	OA5	6.96
E1	OB2	1.37
E23	OB2	1.36
E1	OB2 WA	2.40
E2	OB2 WA	2.35
E2	OB3	2.35
E1	OC2	1.50
E1	OC3	1.50
E1	OD3	1.44
E4	OG3/85A2	2.30
E1	OZ4A	1.16
E2	1AD4	2.80
E2	1AG4	3.05
E20	1B85	9.60
E1	1C21	4.15
E12	1D21/SN4	7.30
E1	1L4	1.37
E2	1P31	9.04
E1	1P37	4.50
E1	1P39	2.10
E1	1P40	3.45
E1	1P41	3.75
E14	1Z2	8.00
E18	2AS15A	9.00
E14	2C51	3.65
E19	2C53	9.15
E1	2D21	1.29
E1	2D21 W	2.90
E1	2E24	5.85
E1	2E26	3.75
E2	2E31	3.35
E2	2E32	3.35
E2	2E35	5.81
E1	2X2A	3.35
E1	3A4	1.25
E1	3A5	2.03
E23	3B4	2.05
E1	3B4 WA	4.35
E15	3B22	8.40
E1	3B25	8.50
E1	3B28	6.00
E4	4EH7	1.20
E4	4EJ7	1.20
E23	4-65A	18.25
E3	5R4GYA	2.05
E1	5R4GYB	2.03
E2	5R4 WGA	8.75
E12	5Y3 WGTA	4.05
E1	6AG7Y	2.80
E2	6AJ5	3.95
E1	6AK6	1.40
E4	6AL3/EY88	1.45
E2	6AN5	4.17
E14	6AR6	5.75
E1	6AS6	3.43
E1	6AS7G	4.93
E3	6AS7GA	4.95
E1	6AU6 WB	2.70
E12	6D4	2.85
E4	6DJ8/ECC88	1.89
E4	6EH7	1.20
E4	6EJ7	1.20
E4	6HA5	1.25
E1	6J4	4.19
E12	6J4 WA	5.60
E1	6J6 WA	5.35
E6	6Q5G	6.00
E12	6SJ7 WGT	2.70
E1	6SJ7Y	1.95
E12	6SL7 WGT	3.15
E2	6SN7 WGT	2.34
E14	6SU7GTY	4.90
E12	6V6GTY	1.45
E2	6X4 W	1.60
E12	6X4 W	1.60
E2	6X5 WGT	1.51
E4	7HG8	1.60
E4	9A8	1.28
E1	12A6	3.36
E1	12AT7 WA	2.53
E2	12AT7 WA	2.52
E4	15C W5	1.33
E4	16AQ3	1.40
E1	26A6	3.70
E1	26A7GT	7.00
E1	26C6	3.05
E1	26D6	3.05
E4	27GB5	1.95
E3	28D7	4.95
E4	EL34(6CA7)	2.90
E21	EL34(6CA7)DI	2.90
E21	EL34 MP	6.30
E4	EL34/6CA7 MP	6.30
E21	GZ34(5AR4)	2.10

Special-Purpose Tubes (Cont'd)

Stock No.		EACH
Dept.	Tube Type	
E21	EL37(6L6)	3.24
E21	EL37 MP	6.74
E21	EF40	2.16
E15	T40	8.50
E20	VR57	4.50
E21	D M70(1M3)	1.00
E21	75C1	5.70
E21	EACB80(6AK8)	1.72
E21	EBF80(6N8)	1.52
E21	ECF80(6BL8)	1.93
E21	EF80(6BX6)	1.57
E21	EZ80(6V4)	.77
E4	ECC81(12AT7)	1.50
E21	ECC81(12AT7)DI	1.47
E21	ECH81(6AJ8)	1.52
E21	EM81(6DA5)	1.35
E21	EZ81(6CA4)	1.14
E4	EZ81	1.98
E4	ECC82(12AU7)	1.23
E21	ECC82(12AU7)DI	1.23
E21	ECF82(6U8)	1.93
E21	ECL82(6BM8)	1.52
E21	UCL82(50BM8)	1.49
E3	83	1.75
E21	ECC83(12AX7)DI	1.28
E21	EL84(6BQ5)DI	1.19
E21	EM84(6FG6)	1.61
E21	UL84(45B-5)	1.39
E21	85A1	2.50
E21	85A2	2.30
E21	ECC85(6AQ8)	1.35
E21	EF85(6BY7)	1.58
E21	ECL86	1.58
E21	EF86(6267)	1.32
E21	EL86(6CW5)	1.39
E21	UF86	1.68
E21	E88CC	4.75
E21	ECC88(6DJ8)	2.10
E21	EBF88(6DC8)	1.58
E21	EF89(6DA6)	1.48
E21	90C1	3.50
E21	EC90(6C4)DI	1.75
E21	EL90(6AQ5)	1.10
E21	EZ90(6X4)	.83
E21	ECC91(6J6)DI	1.37
E21	EF91/6A M6	1.62
E21	EF94(6AU6)DI	1.03
E21	EF95	2.10
E21	EL95(6DL5)	1.13
E21	EL95 MP	2.60
E23	100TH	20.50
E12	FT118	7.90
E21	E180F	6.80
E23	394A	5.25
E1	404A See 5847/404A	
E12	GB407A	5.90
E12	GB408A	4.95
E1	417A	7.35
E1	502A	2.28
E2	510AX	4.09
E2	512AX	2.90
E2	526AX	4.59
E2	533AX	3.01
E2	534AX	3.01
E3	807	2.95
E1	809	8.15
E1	811A	6.90
E1	812A	6.90
E1	816	2.95
E1	866A	2.65
E4	866AX	2.65
E15	868	3.75
E3	868/PJ23	4.50
E15	872A	8.50
E1	884	2.28
E1	917	7.00
E1	918*	5.25
E15	919	4.50
E1	921	3.45
E1	922	3.30
E1	923	3.40
E1	925	4.15
E1	926	3.75
E2	927	3.75
E1	928	6.60
E15	929	2.13
E3	930	3.65
E1	934	4.15
E1	955	7.05
E1	991	.87
E2	1026	4.34
E4	Z M1030	9.95
E2	1034	8.30
E2	1038	8.30
E2	1047	4.00
E2	1054	4.20
E12	GB-1210/5670	3.70
E12	GB-1220/5654	3.05
E12	1222A	2.45
E12	1229	5.35
E12	GB-1252/6U8A	2.00
E21	ME1400	6.70
E1	1612	5.77
E1	1613	3.00
E1	1614	4.93
E1	1619	5.67
E1	1620	7.55
E1	1621	3.50
E1	1622	4.85
E1	1624	6.80
E1	1625	4.75
E1	1629	1.86
E1	1635	3.82
E1	2022	4.10
E1	2050	2.37
E23	2050	1.65
E3	2050A	2.25
E2	2050 W	7.50
E12	R4307	5.60
E1	4402	2.30
E1	4420	6.40
E1	4448	1.55
E2	5517	3.80
E1	5557	9.50
E10	5557/715	9.50
E1	5581	3.45
E1	5582	5.40
E1	5583	4.80
E1	5584	7.15
E1	5618	6.75
E1	5636	6.10
E1	5639	5.25
E2	5639 WA	8.72
E12	5641	7.55
E1	5642	3.82
E2	5643	6.37
E1	5651	1.78
E1	5651 WA	3.80
E2	5651 WA	3.75
E1	5653	2.80
E1	5654	2.41
E3	5654/6AK5 W	2.45
E1	5654/6AK5 W/6096	4.35
E3	5663	2.10
E1	5670	2.45
E1	5670 WA	2.45
E2	5672	2.27
E2	5676	3.05
E2	5678	2.27
E1	5686	3.37
E3	5687	4.00
E3	5687 WA	5.70
E1	5691	8.75
E1	5692	8.25
E1	5693	6.60
E1	5696	2.05
E2	5702	4.20
E2	5702 WA	6.48
E2	5703	2.65
E2	5703 WA	7.07
E1	5718	3.65
E1	5719	3.15
E1	5725	3.15
E3	5725/6AS6 W	3.15
E1	5726	1.55
E1	5726/6AL5 W	1.55
E1	5727	2.90
E2	5744	2.65
E1	5749	2.20
E3	5749/6BA6 W	2.20
E1	5750	3.45
E3	5750/6BE6 W	3.45
E1	5751	2.55
E1	5751 WA	2.55
E2	5755	8.45
E1	5763	2.53
E23	5763	2.55
E1	5814A	2.35
E1	5814 WA	2.40
E1	5823	1.72
E3	5824	3.60
E1	5840	5.35
E20	5841	7.35
E4	5842	7.45
E1	5842/417A	7.35
E3	5844	2.30
E12	5845	9.95
E4	5847	9.65
E1	5876	8.60
E3	5879	1.85
E3	5881	3.50
E14	5881 MP	7.85
E2	5886	5.00
E3	5896	3.75
E12	5896A	4.15
E3	5899	5.50
E12	5899A	6.05
E1	5902	4.80
E12	5902A	5.25
E1	5915	1.62
E12	GB-5931	6.80
E2	5962	9.95
E1	5963	1.36
E1	5964	1.55
E1	5965	1.92
E3	5965A	1.90
E1	6005	3.93
E4	6007	1.25
E1	6012	7.65
E1	6021	3.50
E3	6046	1.55
E1	6072	3.90
E3	6072A	3.90
E1	6073	3.00
E1	6073/OA2	3.35
E1	6074	3.45
E1	6074/OB2	3.70
E1	6080	5.33
E23	6080	3.65
E1	6080 WA	10.80
E1	6082*	5.60
E3	6087/5Y3 WGTB	5.75
E2	6088	2.75
E3	6100	2.50
E1	6101	5.35
E1	6111	3.70
E3	6112	4.10
E1	6136	2.70
E1	6146	4.35
E1	6146A	4.35
E1	6146B/8298A	5.20
E1	6146 W/7212	6.75
E23	6159	3.65
E1	6159	4.80
E1	6159/7357	6.90
E1	6186/6AG5 WA	3.85
E1	6189/12AU7 WA	3.70
E1	6197	2.30
E1	6201*	2.95
E3	6202	2.85
E3	6203	4.10
E3	6205	5.35
E3	6206	7.25
E1	6211	2.15
E3	6211A	2.35
E3	6216	3.47
E3	6222	7.35
E3	6265	4.10
E4	6267/EF86	1.40
E1	6293	5.95
E1	6350	1.85
E4	6360	5.15
E4	6360A	5.15
E1	6386	7.38
E2	6397	8.30
E3	6414	3.65
E1	6417	3.04
E2	6418	3.05
E3	6463	1.90
E12	6483	3.09
E2	6485	2.05
E2	6519	5.00
E1	6550	4.59
E14	6550 MP	9.25
E1	6562/5794/A	7.30
E1	6626/OA2 WA	3.35
E2	6627/OB2 WA	2.35
E1	6661/6BH6	1.39
E1	6663/6AL5	.98
E1	6677/6CL6	1.85
E1	6678/6U8A	1.67
E3	6678/6U8A	1.62
E1	6679/12AT7	1.53
E1	6680/12AU7A	1.26
E4	6688A	6.86
E3	6814	5.05
E3	6829	6.10
E1	6883	4.45
E1	6887	1.25
E3	6919	1.35
E1	6922	4.87
E4	6922 M	5.25
E4	6922/E88CC	4.75
E4	6977	2.50
E21	7025	1.35
E3	7036	1.50
E1	7043	4.40
E3	7044	3.20
E1	7054	1.54
E1	7055	1.00
E1	7056	1.02
E1	7059	1.72
E1	7060	1.85
E1	7061	1.29
E4	7062	2.10
E4	7119	2.95
E3	7167	1.50
E21	7189	1.60
E21	7189 MP	3.36
E3	7233	2.40
E3	7239	6.25
E21	7247	1.48
E4	7308	5.20
E4	7316	1.40
E1	7360	3.77
E3	7427	2.65
E1	7551	3.49
E1	7558	3.49
E1	7586	3.35
E1	7587	5.20
E3	7701	2.50
E3	7716	1.75
E3	7724/14GT8	1.50
E2	7729	1.95
E2	7730	1.93
E2	7731	2.49
E2	7732	1.78
E2	7733	2.53
E4	7737	7.20
E4	7737 M	7.26
E3	7861	3.50
E1	7895	3.35
E1	7898	1.34
E1	7905	3.85
E3	7984	5.35
E1	8008	9.90
E1	8032	4.95
E1	8056	5.00
E3	8068	3.60
E1	8077/7054	1.53
E12	8100	1.40
E3	8102	1.45
E3	8106	1.55
E3	8136	2.50
E12	8142	1.40
E12	8143	1.40
E3	8156	4.10
E4	8228	2.90
E12	8345	1.40
E12	8346	1.40
E12	8347	1.40
E1	9001	5.38
E1	9002	4.14
E1	9003	5.38

Please Specify Department and Tube Type When Ordering

Hi-Fi and Special-Purpose Tubes



Gold Lion

HAND-CRAFTED AUDIO TUBES by GENALEX

Lab-Tested—for Hi-Fi and Other Critical Applications

- Each Tube Includes Individual Test Report
- Tested in Accordance with U.S. MIL-E-1 Procedures
- Microscopically Examined, Ultrasonically Cleaned
- Tubes Assembled Under Dust-Free Conditions

A series of hand-crafted, deluxe tubes for high-fidelity components, offering super-reliable, ultra-low-distortion service. Each "Gold Lion" tube is carefully quality-controlled during manufacture—actually measure up to prototype laboratory standard. Made in the finest tradition of British craftsmanship by the renowned General Electric Co., Ltd., of England. 100% tested for major characteristics, including operational tests, noise and microphonics. Secondary characteristics are checked and approved on a statistical basis in accordance to U.S. Govt. MIL-E-1 procedures. 1000-hour life tests are regularly made on samples selected at random—some tubes tested to 10,000 hours. Every component is microscopically examined, cleaned in ultrasonic baths, and assembled at pressurized, dust-free benches. Each tube heat-sealed in dust-proof and tamperproof pliofilm and separately cartoned. Be certain to *Give Stock No. and Type No. when ordering*. Av. shpg. wt., 4 oz.

Stock No.	Type	Replaces	EACH	Stock No.	Type	Replaces	EACH
96 A 000	GL-U52	5U4G, 5T4, 5931	2.90	96 A 011	GL-U709	6CA4, EZ81	3.20
96 A 001	GL-KT66	EL35, EL36, EL37, EL39, 1614, 1622, 5881	4.50	96 A 012	GL-D717	6AL5, D77, EB91, 5726, 6058, 6097, 6663	3.80
96 A 003	GL-KT77	6L6GB, 6CA7, EL34, 7581	5.50	96 A 013	GL-Z729	6CF8, EF86, 6267	3.00
96 A 005	GL-U77	5AR4, 5V4, 5Z4, GZ30, GZ32, GZ33, GZ34	3.70	96 A 014	GL-B739	12AT7, ECC81, B309, 6060, 6201, 6679	3.20
96 A 006	GL-KT88	6L6GC, 6550, 7027A	6.95	96 A 015	GL-B749	12AU7, ECC82, 5814, 6067, 6189, 6680	2.80
96 A 008	GL-U707	6X4, 6BX4, U78, EZ90, 5993, 6063, 6202, 6203	3.40	96 A 016	GL-B759	12AX7, ECC83, 5751, 6681, 7025, 7247	3.00
96 A 009	GL-N709	6BQ5, EL84	3.80				

MATCHED PAIRS—*Same High-Quality Specifications As Above*

96 A 002	GL-KT66-MP	EL35, EL36, EL37, EL39, 1614, 1622, 5881	10.00/pr.	96 A 007	GL-KT88-MP	6L6GC, 6550, 7027A	14.90/pr.
96 A 004	GL-KT77-MP	6L6GB, 6CA7, EL34, 7581	12.00/pr.	96 A 010	GL-N709-MP	6BQ5, EL84	8.60/pr.

Mullard
Master
10M
Series

MULLARD MASTER 10M SERIES TUBES—INDIVIDUALLY TESTED

Guaranteed for 10,000 Hours within Two Years from Purchase Date

EACH TUBE IN 10M SERIES INDIVIDUALLY TESTED FOR:

- Contact Potential
- Section-to-Section Uniformity
- Cathode Stability
- Grid Current Cutoff
- Heater Current
- Transconductance
- Noise and Microphonics
- Distortion

The Mullard 10M Series consists of carefully selected and designed tubes, individually laboratory-tested to meet exacting standards. Each tube is guaranteed for 10,000 hours of efficient and effective performance within a two-year period from the date of purchase. Multiple tests are conducted on each tube to assure long life and ultra-reliable performance, plus tube-to-tube and section-to-section uniformity. These carefully made tubes are highly recommended for any critical circuit application. Precision design renders them suitable for all types of electronic equipment in any application, including broadcast and antenna systems, instrumentation, computers, radar, commercial sound and public address systems, etc. Ideal for today's technically advanced and exacting electronic assemblies, you can use these tubes for the finest results with existing equipment, as well as when designing new equipment. 10M Series tubes employ gold-protected pins; are individually cartoned and sealed in plastic-foam cushion for extra protection during handling and shipping. *Give Stock No. and Type No. when ordering.* Imported from Europe. Av. shpg. wt., 5 oz.

Stock No.	Tube Type	EACH	Stock No.	Tube Type	EACH	Stock No.	Tube Type	EACH
96 A 017	6AB8	2.75	96 A 044	6EU7	2.35	96 A 071	PL84/15CW5	2.50
96 A 018	6AJ8	2.65	96 A 045	6FY5	2.35	96 A 072	ECC85/6AQ8	2.40
96 A 019	6AK5	3.25	96 A 046	6GK5	2.40	96 A 073	ECF86/6HG8	3.10
96 A 020	6AK8	2.80	96 A 047	6HG8	3.00	96 A 074	EF86/6267	2.50
96 A 021	6AL5	1.90	96 A 048	6J6	2.55	96 A 075	PCF86/7HG8	2.65
96 A 022	6AQ5	2.15	96 A 049	6J6A	2.55	96 A 076	ECC88/6DJ8	3.10
96 A 023	6AQ5A	2.15	96 A 050	6T8A	2.80	96 A 077	EBF89/6DC8	2.65
96 A 024	6AQ8	2.40	96 A 051	7HG8	2.65	96 A 078	EF89/6DA6	2.55
96 A 025	6AT6	2.00	96 A 052	9A8	3.25	96 A 079	EC90/6C4	2.85
96 A 026	6AU6	2.05	96 A 053	12AT7	2.55	....	EK90/6BE6	Use 6BE6
96 A 027	6AU6A	2.05	96 A 054	12AU7	2.20	....	EL90/6AQ5	Use 6AQ5
96 A 028	6AV6	1.95	96 A 055	12AU7A	2.20	....	EB91/6AL5	Use 6AL5
96 A 029	6BA6	1.95	96 A 056	12AV6	1.95	96 A 080	EBC91/6AV6	1.95
96 A 030	6BE6	2.10	96 A 057	12AX7	2.20	96 A 081	ECC91/6J6	2.55
96 A 031	6BL8	3.05	96 A 058	12AX7A	2.20	96 A 082	HBC91/12AV6	1.95
96 A 032	6BQ5	2.15	96 A 059	12DW7	2.55	96 A 083	EF93/6BA6	2.00
96 A 033	6BQ5A	2.15	96 A 060	15CW5	2.50	96 A 084	EF94/6AU6	2.05
96 A 034	6C4	2.85	96 A 061	EABC80/6AK8	2.80	96 A 085	EC95/6ER5	2.40
96 A 035	6DA6	2.55	96 A 062	ECF80/6BL8	3.05	96 A 086	EF95/6AK5	3.25
96 A 036	6DC8	2.65	96 A 063	ECL80/6AB8	2.75	96 A 087	EL95/6DL5	2.55
96 A 037	6DJ8	3.00	96 A 064	PCF80/9A8	3.25	96 A 088	EC97/6FY5	2.35
96 A 038	6DL5	2.55	96 A 065	ECC81/12AT7	2.55	96 A 089	EF183/6EH7	2.60
96 A 039	6DX8	2.85	96 A 066	ECH81/6AJ8	2.65	96 A 090	EF184/6EJ7	2.60
96 A 040	6EH7	2.60	96 A 067	ECC82/12AU7	2.20	96 A 091	ECC189/6ES8	3.45
96 A 041	6EJ7	2.60	96 A 068	ECC83/12AX7	2.20	96 A 092	6267	2.50
96 A 042	6ER5	2.40	96 A 069	ECL84/6DX8	2.85	96 A 093	7025	2.35
96 A 043	6ES8	3.45	96 A 070	EL84/6BQ5	2.15	96 A 094	7247	2.55

NEW! MULLARD MATCHED PAIRS FOR SUPERIOR HI-FI PERFORMANCE

MULLARD MATCHED PAIRS ARE MASTER SERIES (NOT 10M SERIES)

For optimum hi-fi performance, it is important that the incoming signal be amplified proportionately in the push-pull output tubes in an audio amplifier. This prevents a loss of power as well as distortion of the complex wave forms of the audio signal and their harmonics. Mullard's laboratory-balanced matched pairs are designed for this purpose. Matched pairs available for virtually every hi-fi amplifier. They will perform in your circuit exactly as the equipment was designed to operate. Av. shpg. wt., 10 oz.

Stock No.	Tube Type	PAIR	Stock No.	Tube Type	PAIR	Stock No.	Tube Type	PAIR
96 A 106	6AQ5/EL90	2.36	96 A 114	6GW8/ECL86	3.29	96 A 098	EL37MP	6.12
96 A 107	6AQ5A/EL90	2.36	96 A 115	6L6G/EL37	6.12	96 A 099	EL84MP	2.46
96 A 108	6BM8/ECL82	3.16	96 A 116	6L6GC/EL34	5.93	96 A 100	EL86MP	2.87
96 A 109	6BQ5/EL84	2.46	96 A 117	45B5/UL84	2.64	96 A 101	EL90MP	2.36
96 A 110	6BQ5A/7189	3.06	96 A 118	50BM8/UCL82	3.16	96 A 102	EL95MP	2.36
96 A 111	6CA7/EL34	5.93	96 A 095	ECL82MP	3.16	96 A 103	UCL82MP	3.16
96 A 112	6CW5/EL86	2.87	96 A 096	ECL86MP	3.29	96 A 104	UL84MP	2.64
96 A 113	6DL5/EL95	2.36	96 A 097	EL34MP	5.93	96 A 105	7189MP	3.06

Highly Reliable Mercury Batteries

MALLORY

MERCURY BATTERIES FOR TRANSISTOR RADIOS

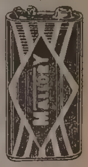
Assure peak performance of portables. Offer uniform discharge voltage, and exceptionally long storage life. Reliable under high pressure, high temperature, and after extended periods of nonuse.

Stock No.	Mfr's Type	Price	Volts	Size (Dia. x Ht., or HWD)	Wt., Oz.	Replaces		
						Eveready	Burgess	RCA
55 J 317	PX-13	35¢ ea.	1.35	3/8x1/4"	3	......	......	......
55 J 890	RM401	Pkg. of 2 for .70	1.4	15/32x1 1/8"	4	E401	HG401	VS-401
55 J 892	RM640	Pkg. of 2 for .70	1.4	5/8x7/16"	4	E640	HG640	VS-150
55 J 891	TR126	Pkg. of 2 for 2.10	8.4	3/4x15/16"	5	E126	H126	VS-327
55 J 883	TR133	Pkg. of 2 for 2.10	4.2	21/32x2"	5	E133	H133	VS-149
55 J 884	TR146	Pkg. of 2 for 2.10	8.4	1x1 9/32x1 15/16"	4	E146	H146	VS-312
55 J 885	TR164	Pkg. of 2 for 2.50	5.6	21/32x1 25/32"	4	E164	H164	VS-164
55 J 886	TR175	Pkg. of 2 for 2.10	7.0	31/64x1 3/32"	4	......	......	......
55 J 887	TR177	Pkg. of 2 for 2.44	9.8	35/64x1 29/32"	4	E177	H177	VS-309A
55 J 888	TR233	Pkg. of 2 for 3.80	4.2	1x2"	5	E233	H233	VS-400
55 J 889	TR286	Pkg. of 2 for 2.70	8.4	1x1 15/16"	5	E286	......	......
55 J 881	ZM9	Pkg. of 2 for 1.02	1.4	1/2x1 31/32"	4	E9	HG9	VS-313

MERCURY GENERAL-PURPOSE BATTERIES

Have extremely long shelf life, uniform discharge voltage and extended operating life. Suffix T of RM batteries indicates 1/2" tab on negative terminal; T2 indicates 2 tabs. TR batteries are transistor powerpaks with self-venting construction, designed to relieve excess gas which may form. Av. shpg. wt., per pair, 6 oz.

Stock No.	Mfr's Type	Price	Volts	Size (Dia. x Ht., or HWD)	Replaces		
					Eveready	Burgess	RCA
55 J 921	RM1	Pkg. of 2 for .84	1.4	5/8x2 1/32"	E1	HG1	......
55 J 922	RM1R	Pkg. of 2 for 1.04	1.35	5/8x2 1/32"	E1N	HG1R	VS143
55 J 949	RM1RT	Pkg. of 2 for 1.14	1.35	5/8x2 1/32"	E1NT1	HG1RT	......
55 J 923	RM1RT2	Pkg. of 2 for 1.24	1.35	5/8x2 1/32"	......	......	......
55 J 924	RM3R	Pkg. of 2 for 1.34	1.35	1x2 1/32"	E3	HG3	......
55 J 925	RM4R	Pkg. of 2 for 1.72	1.35	1 1/5x2 1/32"	E4	HG4R	......
55 J 926	RM4RT	Pkg. of 2 for 1.82	1.35	1 3/16x1 1/16"	......	......	......
55 J 927	RM4Z	Pkg. of 2 for 1.16	1.4	1 3/16x1/2"	......	......	......
55 J 928	RM12	Pkg. of 2 for 1.60	1.4	5/8x2"	E12	HG12	......
55 J 929	RM12R	Pkg. of 2 for 1.64	1.35	5/8x2"	E12N	HG12R	VS144
55 J 930	RM12RT	Pkg. of 2 for 1.74	1.35	5/8x2"	......	......	......
55 J 931	RM12RT2	Pkg. of 2 for 1.84	1.35	5/8x2"	......	......	......
55 J 964	RM24	Pkg. of 2 for .84	1.4	3/8x1 23/32"	......	......	......
55 J 502	RM42	1.70 ea.	1.4	1 13/16x2 3/8"	E42	......	......
55 J 687	RM42R	1.85 ea.	1.35	1 13/64x2 3/8"	E42N	HG42R	......
55 J 963	RM42RT	1.90 ea.	1.35	1 13/64x2 3/8"	E42NT1	HG42RT	......
55 J 375	RM42RT2	1.95 ea.	1.35	1 3/16x2 3/8"	......	......	......
55 J 950	RM312	Pkg. of 2 for .48	1.4	5/16x9/64"	E312	HG312	......
55 J 965	RM400	Pkg. of 2 for .48	1.4	15/32x1/8"	E400	HG400	VS145
55 J 951	RM400R	Pkg. of 2 for .70	1.35	15/32x1/8"	E400N	HG400R	VS145
55 J 966	RM400RT2	Pkg. of 2 for .90	1.35	15/32x1/8"	E400NT2	HG400RT2	......
55 J 967	RM401R	Pkg. of 2 for .84	1.35	15/32x1 1/8"	E401N	HG401R	......
55 J 952	RM411	Pkg. of 2 for 4.00	14.0	1x1 17/32x1 3/32"	......	......	......
55 J 953	RM412	Pkg. of 2 for 5.24	22.4	1x1 17/32x1 5/16"	......	......	......
55 J 954	RM413	Pkg. of 2 for 6.50	28.0	1x1 17/32x2 1/2"	......	......	......
55 J 955	RM415	Pkg. of 2 for 10.20	42.0	1 1/16x9/16x3 1/2"	......	......	......
55 J 956	RM450R	Pkg. of 2 for 1.04	1.35	29/64x9/16"	E450	HG450R	......
55 J 957	RM502R	Pkg. of 2 for 1.40	1.35	1/2x2"	E502	HG502R	......
55 J 958	RM520	Pkg. of 2 for .34	1.4	9/32x1/2"	E520	HG520	......
55 J 968	RM601R	Pkg. of 2 for 1.66	1.35	5/8x1 1/8"	E601	HG601R	......
55 J 969	RM625	Pkg. of 2 for .70	1.35	3/8x1/4"	E625	HG625	......
55 J 961	RM625R	Pkg. of 2 for .84	1.35	3/8x1/4""	E625	HG625R	......
55 J 959	RM625RT2	Pkg. of 2 for 1.04	1.35	5/8x1/4"	......	......	......
55 J 897	RM630	Pkg. of 2 for .70	1.4	5/8x1/4"	E630	HG630	VS147
55 J 970	RM630R	Pkg. of 2 for .84	1.35	5/8x7/32"	E630N	HG630R	......
55 J 971	RM640R	Pkg. of 2 for .84	1.35	3/8x7/16"	E640N	HG640R	......
55 J 960	RM640RT2	Pkg. of 2 for 1.04	1.35	5/8x7/16	E640NT2	HG640RT2	......
55 J 899	RM675	Pkg. of 6 for 1.56	1.4	29/64x13/64"	E675	HG675	......
55 J 893	TR113R	Pkg. of 2 for 3.86	4.05	21/32x27/32"	E113	H113R	......
55 J 894	TR114R	Pkg. of 2 for 3.40	5.4	21/32x1 1/16"	E114	H114R	......
55 J 895	TR114RT2	Pkg. of 2 for 3.60	5.4	21/32x1 1/16"	......	......	......
55 J 972	TR115	Pkg. of 2 for 3.08	7	21/32x1 9/32"	E115	......	......
55 J 896	TR115R	Pkg. of 2 for 3.40	6.75	21/32x1 9/32"	E115N	......	......
55 J 973	TR132	Pkg. of 2 for 1.70	2.8	21/32x1 5/16"	E132	......	VS148
55 J 898	TR132R	Pkg. of 2 for 2.10	2.7	21/32x1 5/16"	E132N	H132R	VS148
55 J 932	TR133R	Pkg. of 2 for 2.44	4.05	21/32x2"	E133N	H133R	......
55 J 976	TR134	Pkg. of 2 for 2.70	5.6	21/32x2 5/8"	E134	......	......
55 J 933	TR134R	Pkg. of 2 for 3.20	5.4	21/32x2 5/8"	E134N	H134R	......
55 J 974	TR134T2	Pkg. of 2 for 2.90	5.6	21/32x2 5/8"	......	H134T2	......
55 J 975	TR135	Pkg. of 2 for 3.40	7	21/32x3 1/4"	E135	......	......
55 J 934	TR135R	Pkg. of 2 for 4.00	6.75	21/32x3 1/4"	E135N	H135R	......
55 J 978	TR136	Pkg. of 2 for 4.00	8.4	21/32x3 29/32"	E136	......	......
55 J 935	TR136R	Pkg. of 2 for 4.40	8.1	21/32x3 29/32"	E136N	H136R	......
55 J 977	TR137	Pkg. of 2 for 4.80	9.8	21/32x3"	E137	......	......
55 J 985	TR137R	Pkg. of 2 for 5.52	9.45	21/32x4 17/32"	E137R	H137R	......
55 J 936	TR145	Pkg. of 2 for 3.10	7	21/32x1 3/16"	E145	H145	......
55 J 986	TR152	Pkg. of 2 for 1.50	2.8	15/32x1 1/8"	E152	......	......
55 J 937	TR152R	Pkg. of 2 for 1.64	2.7	15/32x1 1/8"	E152N	H152R	......
55 J 984	TR153	Pkg. of 2 for 2.10	4.2	1/2x1 23/32"	E153	......	......
55 J 938	TR153R	Pkg. of 2 for 2.70	4.05	1/2x1 23/32"	E153N	H153R	......
55 J 939	TR162R	Pkg. of 2 for 2.10	2.7	21/32x7/8"	E162	H162R	......
55 J 940	TR163	Pkg. of 2 for 2.10	4.2	21/32x1 5/16"	E163	H163	VS163
55 J 979	TR163R	Pkg. of 2 for 2.44	4.05	21/32x1 5/16"	E163N	H163R	......
55 J 988	TR164R	Pkg. of 2 for 2.70	5.4	21/32x1 25/32"	E164N	H164R	
55 J 941	TR165	Pkg. of 2 for 3.20	7.0	21/32x2 3/16"	E165	H165	VS165
55 J 987	TR165R	Pkg. of 2 for 3.40	6.75	21/32x2 3/16"	E165N	H165R	......
55 J 942	TR169	Pkg. of 2 for 7.00	12.6	21/32x3 61/64"	E169	......	......
55 J 989	TR233R	Pkg. of 2 for 4.00	4.05	1x1 15/16"	E233N	......	......
55 J 360	TR234R	Pkg. of 2 for 4.40	5.6	1x2 19/32"	E234	......	......
55 J 990	TR234	2.62 ea.	5.6	1x2 19/32"	E234N	......	......
55 J 943	TR235R	Pkg. of 2 for 5.86	6.75	1x3 1/4"	E235N	......	......
55 J 991	TR236R	Pkg. of 2 for 7.28	8.1	1x3 27/32"	E236N	......	......
55 J 944	TR-289	Pkg. of 2 for 4.10	12.6	1x2 25/64"	E289	......	......
55 J 945	302125M	5.25 ea.	7	19/32x2 31/32"	E302125	302125	......
55 J 946	302351M	3.60 ea.	5.4	1 1/32x9/16"	E302351	302351	......
55 J 947	302478M	5.80 ea.	9.8	1 1/4x3 9/16"	E302478	302478	......
55 J 948	302642	4.25 ea.	7	1 1/4x2 9/16"	E302642	302642	......
55 J 361	303145	6.00 ea.	8.4	4 3/8x1 3/16x2 1/8"	......	......	......
55 J 318	303314	9.90 ea.	16.8	2 3/4x2 3/4x1 1/4"	......	......	......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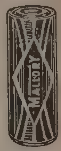
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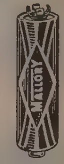
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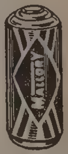
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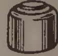
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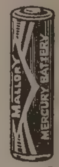
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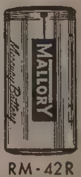
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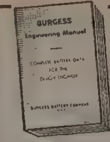
Quality-Engineered Burgess Batteries



BATTERY ENGINEERING MANUAL

Complete battery data for engineers. Includes curves for estimating performance; terminal illustrations, dimensions, etc. Illus. 148 pages. 6x9½". **38 K 874.** Shpg. wt.,10 oz.........1.00

BATTERIES FOR ALL APPLICATIONS

BURGESS
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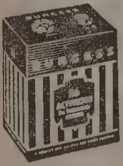
130 930



D6

2U6
BURGESS
U15

2U6 U15

BURGESS
BURGESS

P45 21R

XX45
BURGESS
Y15

XX 45 Y 15

PORTABLE BATTERIES FOR TRANSISTOR RADIOS

Stock No.	Mfr's Type	Price	Volts	Size	Wt. Lbs.	Replaces			
						Eveready	Ray-O-Vac	RCA	NEDA
55 J 769	2MN6	.65 ea.	9	1x39/64x1 7/8"	⅛	216	M1604	VS323	....
55 J 661	2N6	1.30 ea.	9	2 3/4x1 3/8x1 3/8"	¼	246	1602	VS305	1602
55 JC650	2U6	.48 ea.	9	1x39/64x1 7/8"	¼	216	1604	VS312	1604
55 J 106	2Z3	1.11 ea.	4½	1 3/8x1 3/8x2 3/4"	⅜	243	....	VS324	1610
55 J 860	7	Pkg. of 2 for .20	1½	1 3/4x13/32" dia.	¼	912	400	VS074	....
55 J 861	130	Pkg. of 2 for .32	1½	1 15/16x33/64" dia.	½	1035	14	VS335	14
55 J 862	230	Pkg. of 2 for .32	1½	2 25/64x1 21/64" dia.	½	A100	13	VS336	13
55 J 863	930	Pkg. of 4 for .64	1½	1 31/32x35/64" dia.	½	1015	15	VS034	15
55 J 666	A4	.69 ea.	6	1 9/32x1 9/32x2 11/32"	¼	....	....	....	....
55 J 670	C6X	1.10 ea.	9	2 5/16x1 1/32x6 1/16"	¾	2356	....	....	1612
55 J 098	D5	1.15 ea.	7½	2 9/16x2x2 23/32"	⅞	707	26	VS315	26
55 J 652	D6	1.26 ea.	9	2 9/16x2x3"	1	276	1603	VS306	1603
55 J 667	D6PI	1.76 ea.	3, 6, 9	2 19/32x1 7/16x7 27/32"	1½	2506	1601	VS301	1601
55 J 103	D6S	1.36 ea.	9	2 1/4x1 1/4x7 29/32"	1⅛	2761	1608	....	1608
55 J 174	L6	.53 ea.	9	1 31/32x47/64" dia.	⅛	206	....	VS337	1611
55 J 102	M6	1.22 ea.	9	1 13/16x1 13/16x2 7/16"	½	266	....	VS322	1605
55 J 864	NE	Pkg. of 6 for .48	1½	1 1/64x7/16" dia.	1½	....	....	....	716
55 J 093	P6	.62 ea.	9	1 15/16x1" dia.	¼	226	1600	VS300	1600
55 J 770	PM6	.80 ea.	9	1 15/16x1" dia.	¼	226	1600	VS300	....
55 J 657	XX9	1.05 ea.	9, 13½	1 9/32x29/32x2 17/32"	¼	239	1900	VS304	1900
55 J 364	Y6	.83 ea.	9	3/5x3/5x1 9/10"	⅛	E177	1606	VS309A	1606

PORTABLE "A" BATTERIES

Stock No.	Mfr's Type	Price	Volts	Size	Wt. Lbs.	Eveready	Ray-O-Vac	RCA	NEDA
55 J 865	1	Pkg. of 2 for .26	1½	1 15/16x63/64" dia.	½	935	1LP	VS035A	....
55 J 051	2D	1.02 ea.	1½	2 9/16x1 9/32x2 31/32"	¾	720	18	VS069	18
55 J 866	2R	Pkg. of 2 for .26	1½	2 25/64x1 21/64" dia.	½	950	2LP	VS036	13
55 J 644	21R	.32 ea.	1½	4 1/8x1 21/64" dia.	½	964	20	VS236	20
55 J 041	B5	2.07 ea.	7½	3 29/32x7/8x2 27/32"	½	713	8	VS129	8
55 J 044	C5	1.23 ea.	7½	2 7/32x1 15/16x3 1/32"	¾	717	9	VS065	9
55 J 052	D3	1.05 ea.	4½	3 7/8x1 5/16x2 15/16"	¾	726	19	VS072	19
55 J 592	F3	1.05 ea.	4½	4x1 7/16x4 1/8"	1¼	736	A3	VS067	3
55 J 053	T5	1.32 ea.	7½	2 17/32x2 19/32x3 29/32"	1½	W360	A10	....	10
55 J 593	Z4	.87 ea.	6	1 3/16x1 3/16x2 7/32"	¼	724	A2	VS068	2

PORTABLE "B" BATTERIES

Stock No.	Mfr's Type	Price	Volts	Size	Wt. Lbs.	Eveready	Ray-O-Vac	RCA	NEDA
55 J 570	A30	2.69 ea.	45	3 9/16x2 1/4x4 5/16"	1¾	W359	206	VS014	....
55 J 571	B30	3.47 ea.	45	4 1/16x2 17/32x5 5/16"	2¼	484	207	VS012	....
55 J 596	K45	2.70 ea.	67½	2 11/16x1 5/16x2 1/4"	½	457	203	VS082	203
55 J 576	M30	2.97 ea.	45	3 9/16x1 3/4x5 1/2"	2	482	202	VS013	202
55 J 597	V60	3.15 ea.	90	3 23/32x1 9/32x3 11/16"	1	490	204	VS090	....
55 J 669	N60X	3.47 ea.	90	1 7/8x1 11/32x7 1/8"	1⅛	495	....	VS316	216
55 J 645	P45	2.70 ea.	67½	1 29/32x1x5 9/32"	¾	477	211P	VS218	211P
55 J 651	P60	2.97 ea.	90	1 29/32x1x7 13/32"	1	479	214	VS219	214
55 J 649	U30	1.75 ea.	45	1 3/32x1 9/32x3 17/32"	¼	415	213	VS086	213
55 J 668	UX45	2.07 ea.	67½	1 7/32x3 1/32x3 31/32"	½	416	....	VS318	217
55 J 772	V45	2.77 ea.	67½	2 3/4x1 11/32x3 3/64"	1	468	....	....	200
55 J 575	XX30	2.27 ea.	45	2 17/32x3 1/32x3 21/32"	½	455	201	VS055	201
55 J 574	XX45	2.70 ea.	67½	2 3/4x1 11/32x3 43/64"	¾	467	200	VS016	200
55 J 586	XX50	3.15 ea.	75	1 27/32x1 5/16x6 5/16"	1	437	212	VS217	212
55 J 581	XX69	4.86 ea.	103½	1 11/32x1 11/32x1 123/32"	1	W361	69N	....	....
55 J 572	Z30	2.76 ea.	45	3x2 5/16x4 1/16"	1½	738	205	VS015	....

PORTABLE "AB" PACKS

Stock No.	Mfr's Type	Price	Volts	Size	Wt. Lbs.	Eveready	Ray-O-Vac	RCA	NEDA
55 J 654	4TZ60	4.38 ea.	1½, 90	7 5/8x2 1/8x3 3/4"	4	729	425	VS064	425
55 J 578	6TA60	5.95 ea.	1½, 90	9 31/32x2 1/4x4 7/16"	4½	W369	410	VS054	410
55 J 589	F6A60P	5.57 ea.	9, 90	9 7/16x2 3/4x4 11/32"	5¼	757	406	VS058	406
55 J 579	G6B60	5.78 ea.	9, 90	13 29/32x2 13/16x4 21/32"	6¼	752	A400	VS047	400
55 J 653	T5Z50P	4.83 ea.	7½, 75	8 1/2x3 11/32x2 3/8"	3½	785	431	VS060	431
55 J 587	T6Z60	4.87 ea.	7½, 9, 90	8 15/16x2 3/16x3 13/16"	4½	756	405	VS057W	405

"FEATHERWEIGHT" "B" BATTERIES—INCLUDING HEARING AID TYPES

Stock No.	Mfr's Type	Price	Volts	Size	Shpg. Wt. Oz.	Replaces			
						Eveready	Ray-O-Vac	Sonotone	Acousticon
55 J 054	XX15	1.37 ea.	22½	1 11/32x1 5/16x3 7/8"	4	425P	PN15	....	22EW
55 J 055	XX22	1.92 ea.	33	2 17/32x3 1/32x3 1/8"	6	433P	PN22	....	33EW
55 J 060	XX30PI	2.27 ea.	45	2 17/32x3 1/32x4 1/32"	12	455P	PN30F	230	45EW
55 J 104	K-10	1.16 ea.	15	1 1/4x7/8x1 17/32"	2	417	....	....	....
55 J 105	K-15	1.23 ea.	22½	1 1/4x7/8x2 9/32"	2	420	....	....	....
55 J 062	U10	.81 ea.	15	1x39/64x1 7/16"	2	411	208	211	711G
55 J 064	U15	1.05 ea.	22½	1x39/64x1 31/32"	2	412	215	212	712H
55 J 066	U20	1.23 ea.	30	1x39/64x2 17/32"	2	413	A210	213	713G
55 J 069	Y10	.81 ea.	15	1 19/32x19/32x1 23/64"	3	504	220	Z5	715G
55 J 075	Y15	1.05 ea.	22½	1 9/32x19/32x1 31/32"	3	505	221	Z6	722G
55 J 068	Y20	1.30 ea.	30	1 3/16x1 9/32x1 13/32"	3	506	....	Z7	....
55 J 077	Y20S	1.30 ea.	30	1 19/32x19/32x2 9/16"	3	507	....	....	....

Burgess Quality Batteries and Lanterns

STANDARD DRY BATTERIES

- Superior Quality, Dependable Performance
- Guaranteed Fresh Stock at All Times

Long-life batteries suitable for radio laboratory and hobby requirements. Manufactured to high standards, they are fully inspected to insure uniform high quality. Our huge turnover guarantees fresh stock at all times. Battery type numbers ending with letters "PI" indicate plug-in type terminals; battery type numbers ending with "SC" have spring-clip terminals; "BP" indicates binding post terminals.

"A" BATTERIES

Stock No.	Type	Price	Volts	Size	Lbs.
55 J 590	2BBP	1.16 ea.	1½	1 19/32x27/32x2 11/16″	¼
55 J 001	2F	.87 ea.	1½	2 19/32x1⅜x4¼″	¾
55 J 010	2F2H	1.33 ea.	3	2⅝x2⅝x4 1/16″	1½
55 J 033	2F2BP	2.23 ea.	3	5 3/16x1 5/16x4 5/32″	1½
55 J 002	2F4	2.87 ea.	6	4x2 13/16x5 7/16″	2½
55 J 030	2FBP	.79 ea.	1½	2 21/32x1⅜x4 1/32″	1
55 J 585	2Z2P1	.73 ea.	3	1 5/32x1 5/32x2 13/32″	¼
55 J 048	37	.65 ea.	1½	6⅛x1 5/16″ dia.	¼
55 J 003	4F	1.15 ea.	1½	2⅝x2⅝x4 3/32″	1½
55 J 034	422	.57 ea.	3	1 11/32x23/32x2 5/16″	¼
55 J 026	432	.66 ea.	4½	1 31/32x21/32x2¼″	¼
55 J 045	5R	.24 ea.	1½	2 15/64x49/64″ dia.	¾
55 J 091	532	1.00 ea.	4½	2 15/32x13/16x2 23/32″	¼
55 J 595	6F	2.28 ea.	1½	4 3/32x2¾x4 1/16″	2¼
55 J 004	8F	2.42 ea.	1½	3 29/32x2 23/32x5½″	3
55 J 046	8R	.77 ea.	1½	3 15/16x1 3/32″ dia.	¼
55 J 047	9R	.12 ea.	1½	1 63/64x35/64″ dia.	¼
55 J 582	B2BP	.94 ea.	3	1⅝x13/16x2 11/16″	¼
55 J 011	F2BP	.94 ea.	3	2 21/32x1⅜x4 1/32″	1
55 J 009	F4BP	.83 ea.	6	2⅝x2⅝x4″	1½
55 J 007	F4PI	1.15 ea.	6	2 21/32x2 21/32x4⅛″	1½
55 J 008	G3	1.26 ea.	4½	4 1/16x1⅞x4 11/16″	1¼

"B" BATTERIES

Stock No.	Type	Price	Volts	Size	Lbs.
55 J 557	10308SC	5.36 ea.	45	8 1/32x4 1/32x7 3/16″	12
55 J 555	21308SC	6.45 ea.	45	8⅛x4 15/32x7 9/32″	13
55 J 558	2308SC	4.58 ea.	45	8 3/32x2 31/32x7¼″	7½
55 J 560	4156	1.61 ea.	22½	3 17/32x2⅛x2 29/32″	1
55 J 561	5156PI	3.84 ea.	22½	4 7/64x2⅜x2 55/64″	1¾
55 J 562	5156SC	3.84 ea.	22½	4⅛x2½x2¾″	1¾
55 J 559	5308	3.05 ea.	45	4 1/16x2 9/16x5⅛″	2½
55 J 594	U-200	8.37 ea.	300	2¾x2 9/32x3⅞″	1
55 J 109	Z30T	2.62 ea.	45	3x2 5/16x4⅛″	1½
55 J 567	W30BPX	2.69 ea.	45	3x1¼x3 25/32″	¾
55 J 569	Z30NX	2.69 ea.	45	3 1/32x1⅞x4 19/32″	1½
55 J 598	Z60BP	8.90 ea.	90	3¾x2 11/32x5 15/16″	2¾

"C" BATTERIES

Stock No.	Type	Price	Volts	Size	Lbs.
55 J 583	2370	1.76 ea.	4½	3 15/16x1⅜x2⅞″	¾
55 J 563	2370PI	1.93 ea.	4½	4 1/64x1 27/64x2 63/64″	1
55 J 565	5360	.99 ea.	4½	2 13/32x27/32x2 21/32″	¼
55 J 564	5540	1.65 ea.	7½	4x⅞x2¾″	½
55 J 591	A9BP	3.76 ea.	13½	2 3/32x2 3/32x2 13/32″	½
55 J 568	W5BP	1.64 ea.	7½	2 31/32x2 3/32x1¾″	¼

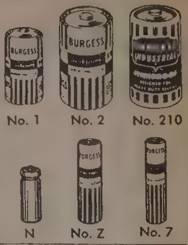
SPECIAL-PURPOSE TAPE RECORDER BATTERIES

3XX7

Extremely compact, highly dependable batteries designed specifically for use in transistorized pocket tape recorders. Ruggedly constructed; engineered with extra power capacity for long service life. *Indicates battery has flat-type contact; †indicates battery has snap-type contact.

Stock No.	Type	Price	Volts	Size	Lbs.
55 J 110	2X62X†	1.82 ea.	1½, 9	2½x1 25/32x2 11/32″	½
55 J 111	2X7†	1.82 ea.	10½	2½x1 25/32x2 11/32″	½
55 J 112	3XX7*	2.00 ea.	10½	1⅜x1 9/32x3⅝″	½

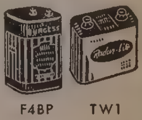
FLASHLIGHT BATTERIES



Have chrome for guaranteed freshness steel for seal protection in handling. Types 2 and 210 cells sealed in plastic and steel. Type 1 (size C)—for baby tubular flashlights; Types 2 and 210 (size D) are for standard flashlights; Type Z (size AA) standard penlights; Type 7 (size AAA) slim penlights; Type N miniature and novelty lights. *Heavy-duty type. Av. wt. per pkg. 10 oz.

Stock No.	Mfr's Type	Size (LxDia.)	Price	Replaces	
				Ever-eady	Ray-O-Vac
55 J 865	1	1 15/16x63/64″	Pkg. of 2 For 26¢	935	1LP
55 J 867	2	2⅜x1 21/64″	Pkg. of 4 For 52¢	950	2LP
55 J 860	7	1¾x13/32″	Pkg. of 2 For 20¢	912	400
55 J 868	210*	2⅜x1 21/64″	Pkg. of 4 For 64¢	1050	3LP
55 J 869	N	1 11/64x7/16″	Pkg. of 6 For 48¢	904	716
55 J 870	Z	1 31/32x35/64″	Pkg. of 2 For 20¢	915	7R

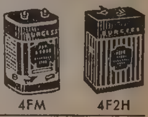
LANTERN BATTERIES



Specially designed batteries for railroad-type lanterns. 4F2H and F4SC have spring-clip contacts; F4M is weatherproof type with positive coil-spring contacts; others have binding posts. TW1S has special pressurized construction for use in underwater lanterns and diver's equipment.

Stock No.	Mfr's Type	Price	Volts	Size	Wt., Lbs.
55 J 015	4F2H	1.57 ea.	3	3 29/32x2 11/16x5 13/32″	2¾
55 J 853	F4M	.83 ea.	6	2⅝x2⅝x4⅜″	1½
55 J 009	F4BP	.83 ea.	6	2⅝x2⅝x4″	1½
55 J 113	F4SC	.83 ea.	6	2⅝x2⅝x4½″	1¼
55 J 658	TW1	1.96 ea.	6	5⅜x2⅞x4 15/16″	3¼
55 J 114	TW1S	2.05 ea.	6	5⅜x2⅞x4 15/16″	3¼
55 J 500	TW2	1.96 ea.	12	5⅜x2⅞x4 15/16″	3¼

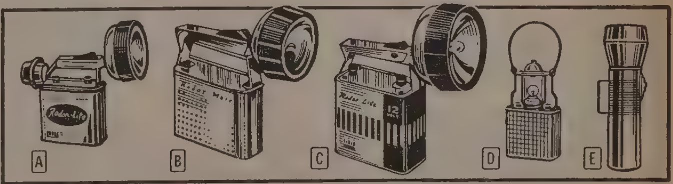
IGNITION, TELEPHONE AND ALARM BATTERIES



Designed for emergency illumination, portable lighting systems, alarm systems. Used by railroads, police and fire departments, emergency crews, etc. In metal containers. Types 4F2H and 4FM are recommended for general ignition service and for use in telephone systems and lanterns.

Stock No.	Mfr's Type	Price	Volts	Size	Shpg. Wt., Lbs.
55 J 871	4FM	.84 ea.	1½	2⅝x2⅝x4″	1½
55 J 015	4F2H	1.57 ea.	3	3 29/32x2 11/16x5 13/32″	2¾
55 J 014	4F4H	3.34 ea.	6	8 5/16x2 13/16x5 13/16″	6¼
55 J 584	4F5H	4.86 ea.	7½	7 3/16x3 31/32x5 13/16″	7½
55 J 021	4F6H	5.53 ea.	9	8½x3 31/32x5 13/16″	9
55 J 641	6-Ign.	.84 ea.	1½	6⅝x2½″ dia.	2
55 J 642	6-Tel.	.84 ea.	1½	6⅝x2½″ dia.	2½
55 J 647	6-Ind.	.90 ea.	1½	6⅝x2½″ dia.	2
55 J 643	S461	3.34 ea.	6	10½x2¾x7 13/32″	8½

BURGESS FAMOUS *RADAR-LINE* CORROSION-PROOF PORTABLE LIGHTS



A **TW3 "RADAR-LITE."** Versatile, 6-volt, sealed-beam lantern. Has 40,000 candlepower adjustable headlight, plus red flasher head on movable arm. Precision, gun-type "safety" locks switch on or off. 11¼x9¼x3½″. With 6-v. TW1 battery. 6 lbs.

55 J 342 .... 8.41

55 J 658. Extra TW1 Battery. 3½ lbs.. 1.96

TW4 "RADAR-LITE." Same as TW3 above, but less flasher. Shpg. wt., 6 lbs.

55 J 337 .... 6.76

B **JR1 "RADAR-MATE."** Features heavy-gauge steel construction, corrosion-resistant design, weatherproof switch. Adjustable sealed head with special multi-facet vaporized reflector provides brilliant beam. 6x6x3″. Less batteries (below), uses 3. 1¼ lbs.

55 J 760 .... 3.32

55 J 867. No. 2 Cells. Batteries for above. Shpg. wt. 1½ lbs........ **Pkg. of 4 for 52¢**

C **TW12 "RADAR-LITE."** Same as TW3 above, left, but with TW2 12-volt battery. Shpg. wt., 6 lbs.

55 J 526 .... 6.88

55 J 500. Extra TW2 Battery. 3½ lbs.. 1.96

D **TW7 BULB TYPE.** Portable lantern with super-intensity bulb. Totally safe—can be used in any position without danger of fire or explosion; no heat produced. 9¼x5¼x2¾″. With battery. 4½ lbs.

55 J 662 .... 5.86

55 J 658. Extra TW1 Battery. 3½ lbs.. 1.96

E **159 FLASHLIGHT.** Magnetized; holds to steel. Less batteries (below), uses 2. Shpg. wt. 1 lb.

55 J 117 .... 1.20

55 J 867. No. 2 Cells. Batteries for above. Shpg. wt., 1½ lbs........ **Pkg. of 4 for 52¢**

Batteries, Battery Plugs and Holders

EVEREADY

SPECIAL-PURPOSE BATTERIES

PHOTOFLASH BATTERIES

Provide high peak current for proper synchronization of solenoid shutter and bulb. Type 467 is for slave units. Types 460, 482, 489, 490, 491, 492, 493, 497 and 726 are for electronic repeating flash. Types 411, 413, 504, and 505 are for B-C units. Types 815, 835 and 850 are cylindrical cells for high initial current discharge—Type 815 is Size "AA", Type 835 is Size "C", Type 850 is Size "D."

Stock No.	Mfr's. Type	Volts	Size	Shpg. Wt.	Price	Replaces Burgess
55 J 608	411	15	1 1/32x5/8x1 29/64"	2 oz.	.81	U10
55 J 610	413	30	1 1/32x5/8x2 9/16"	2 oz.	1.23	U20
55 J 272	460	45	2 13/16x1 3/8x2 1/2"	½ lb.	1.67	....
55 J 614	467	67½	2 13/16x1 3/8x3 15/64"	¾ lb.	2.70	XX45
55 J 605	482	45	3 19/32x1 27/32x5 1/2"	2 lbs.	2.97	M30
55 J 613	489	225	4 11/32x2 11/16x4 3/16"	2½ lbs.	6.96	XX150
55 J 607	490	90	3 23/32x1 3/8x3 45/64"	1 lb.	3.15	V60
55 J 609	491	240	2 19/32x1 5/16x4 1/2"	¾ lb.	5.56	U160
55 J 606	492	225	3 9/16x2 29/32x4 29/32"	2½ lbs.	6.96	N150
55 J 611	493	300	2 11/16x2 7/32x3 29/32"	1 lb.	8.37	U200
55 J 612	497	510	3x1 19/32x5 5/8"	1½ lbs.	11.16	U320
55 J 615	504	15	5/8x1 9/32x1 3/8"	1 oz.	.81	Y10
55 J 616	505	22½	5/8x1 9/32x1 63/64"	1 oz.	1.05	Y15
55 J 603	726	4½	4 3/32x1 7/16x2 15/16"	¾ lb.	1.05	D3
55 J 602	815	1½	9/16 dia. x 1 31/32"	½ lb.	Pkg. of 2/.32	920
55 J 600	835	1½	1 1/32 dia. x 1 15/16"	½ lb.	Pkg. of 2/.32	120
55 J 601	850	1½	1 11/32 dia. x 2 13/32"	¾ lb.	Pkg. of 2/.32	220

ALKALINE ENERGIZER BATTERIES

Alkaline energizer batteries deliver higher amperage with constant output over a much longer period than do standard flashlight batteries. Provide lowest operating costs in high-drain applications. Outstanding service over wide temperature range. Ideal for use in portable TV sets, flashlights, transistor radios, hearing aids, photoflash guns, electric toys and games, etc. Types 560, 561 and 563 are portable television batteries. Sizes: E90—"N"; E91—"AA"; E92—"AAA"; E93—"C"; E95—"D".

Stock No.	Mfr's Type	Volts	Size	Price	Replaces	
					Mallory	Burgess
55 J 440	E90	1½	15/32 dia. x 1 1/8"	Pkg. of 3/.72	Mn1900	AL-N
55 J 425	E91	1½	9/16 dia. x 1 31/32"	Pkg. of 2/.65	Mn1500	AL-9
55 J 438	E92	1½	13/32 dia. x 1 47/64"	Pkg. of 2/.62	Mn2400	AL-7
55 J 416	E93	1½	1 1/32 dia. x 1 15/16"	.39	Mn1400	AL-1
55 J 415	E95	1½	1 11/32 dia. x 2 13/32"	.49	Mn1300	AL-2
55 J 856	E177	9	35/64 dia. x 1 29/32"	1.25	TR-177	H-177
55 J 996	523	4½	21/32 dia. x 1 31/32"	.70	PX-21	AL-133
55 J 997	531	4½	5/8 dia. x 2 19/64"	.82	PX-19	....
55 J 857	560	7½	2 21/32x1 17/32x7 5/32"	4.33	....	....
55 J 858	561	15	8 5/16x2 13/16x5 7/8"	10.62	....	....
55 J 859	563	4½	1 23/64 dia. x 7 5/32"	2.76	....	....

NICKEL-CADMIUM BATTERIES

True storage (secondary) batteries. They can be recharged many times to give long, economical life. They are not adversely affected by long storage, either charged or discharged. All are 1¼ volts. Pressure contacts, except Suffix "T" indicates solder lug terminals. All are sealed in steel. Sizes: Type N46—AA; type N54—C; Type N57—D. †10-hour discharge rate.

BUTTON CELLS

Stock No.	Mfr's Type	Size	Wt., Oz.	† Ma	Replaces Burgess	EACH
55 J 617	N22	29/64x7/32"	2	2	CD1	1.05
55 J 618	N24	39/64x15/64"	2	5	CD2	.70
55 J 627	N26	63/64x15/64"	2	10	CD8	.75
55 J 628	N26T	63/64x1/4"	2	10	CD8L	.84
55 J 619	N28	63/64x9/32"	2	15	CD3	.78
55 J 622	N28T	63/64x19/64"	2	15	CD3L	.87
55 J 623	N32	63/64x11/32"	2	22	CD4	.83
55 J 624	N32T	63/64x3/8"	2	22	CD4L	.91
55 J 625	N36	1 45/64x19/64"	2	45	CD5	1.47
55 J 626	N36T	1-7/10x21/64"	2	45	CD5L	1.54

CYLINDRICAL CELLS

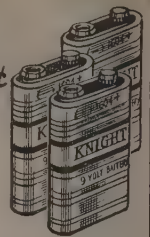
55 J 629	N46	9/16x1 61/64"	2	45	CD6	1.93
55 J 630	N45T	9/16x2 9/32"	2	45	CD6L	2.10
55 J 633	N52	35/64x3 11/16"	3	90	CD9	3.17
55 J 637	N53	7/8x1 43/64"	2	120	CD12	2.50
55 J 631	N56	1 19/64x2 27/64"	7	250	CD7	4.12
55 J 632	N56T	1 19/64x2 25/32"	7	250	CD7L	4.22
55 J 634	N57	1 19/64x2 27/64"	2	400	CD10	5.64
55 J 635	N57T	1 19/64x2 49/64"	2	400	CD10L	5.73

KNIGHT 9-V TRANSISTOR RADIO BATTERY

- American-Made—Lowest Price Ever
- Fits Most American and Japanese Instruments
- Lowers Your Inventory Requirement

NEW

3 for 79¢

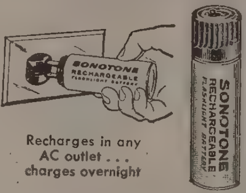


Made by a famous American manufacturer, yet sells at imported-battery prices. No compromise in quality! Replaces most transistor radio batteries. Replaces Burgess 2U6, RCA VS323, Eveready 216, and many others. 1 7/8x 39/64x1". Shpg. wt., 6 oz.

55 J 999........ ......Pkg. of 3 for 79¢

SONOTONE FC-3 BATTERY

RECHARGES OVERNIGHT



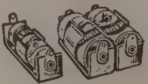
SONOTONE RECHARGEABLE FLASHLIGHT BATTERY
SONOTONE RECHARGEABLE FLASHLIGHT BATTERY

Recharges in any AC outlet . . . charges overnight

Nickel-cadmium flashlight battery that can be used in place of 2 "D" cells. End unscrews to expose prongs—charges overnight when plugged into 110-120 v., 50-60 cycle AC outlet. Powers PR-2 bulb for 2 hours. Cannot overcharge. 1 3/8x4 13/16". Shpg. wt., 10 oz.

55 JC 332..............8.50

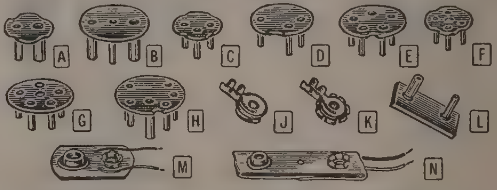
KEYSTONE BATTERY HOLDERS



Battery holders for transistor assemblies, radios, meters, model airplanes, etc. Snap-clips, mosture-proof fiber washers, mounting holes and aluminum-alloy, nickel-plated eyelets. *End to end. Wt., 3 oz.

Stock No.	Mfr's Type	Holds	Burgess	Mallory	Eveready	Price PKG.2
55 J 900	104	1	....	RM3R	E3	.60
55 J 901	139	1	Z, 9R, Y15	RM12R, TR133R, RM502R, ZM-9	E9, E-12, E133,E502, 915,1015E, 505	.46
55 J 902	140	2				.76
55 J 903	171	3				.98
55 J 904	182	4				1.28
55 J 906	173	1	1	TR233R	E233, 635	.60
55 J 907	174	2				.76
55 J 908	185	2	*	....	935	.90
55 J 909	137	1	7	....	912	.46
55 J 910	138	2				.76
55 J 911	132	1	....	TR132R, TR115R	E132	.60
55 J 912	175	1	2, Z4	RM42R	D99, A-100	.60
55 J 913	176	2			724	.76
55 J 914	186	2	*	....	950	.92
55 J 915	166	1	U10	....	411	.60

CINCH-JONES BATTERY PLUGS

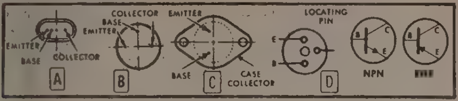


Cinch-Jones plugs for "A," "B" and various other batteries. *5 prongs, 5 Fahnestock clips. Av. shpg. wt., 1 oz. **2 per package.**

Stock No.	Type	Fig.	For Burgess Battery	For Eveready	PKG.
55 J 178	5A1	A	2F, 4F, 6F, 8F, 2D, 8R	720, 960P	8¢
55 J 180	5A5	B	B5, C5, J5	717	14¢
55 J 176	5B1A	C	XX15, XX22, XX30P1	425P, 433P	10¢
55 J 310	5B2-1	D	A30, B30, M30, W30P1, Z30,10308P1	W-359	14¢
55 J 183	5C-2	E*	5156P1	778	14¢
55 J 181	5AB2	F	2TXX40	....	12¢
55 J 177	5AB1 1	G	6TA60,4TZ60	729, W369	17¢
55 J 182	5AB7	H	F6A60,G6M60,T6Z60	753, 755, 756	19¢
55 J 301	5M	J	P6,D5,P6M,M6 XX45,XX30,XX50, K45,P45,P45M, P60,D6,4D4,N60X, C6X	226, 707, 467, 266, 455, 477, 457, 437, 495	12¢
55 J 302	5F	K			12¢
55 J 179	5A3	L	D3,F3,G3	726, 736	9¢
55 J 175	5A4	L	2F4,F4P1,XX15, XX22,XX30P1	....	10¢
55 J 184	5D	M	U30,2U6,2N6,UX45	415, 216, E146	69¢
55 J 307	5D1	N	XX50,P45,P45M, P60,N60X,C6X	477, 479	67¢
55 J 309	5MFA	N	XX45,XX30,K45	457	67¢

General-Purpose Semiconductors

ENTERTAINMENT-TYPE SEMICONDUCTORS



UNIVERSAL REPLACEMENT TRANSISTORS

The nine transistors listed below cover the majority of applications that a radio or TV serviceman will encounter. Inventories are therefore minimized. GE-9 is smaller than GE-1 (GE-9, .209″ dia.; GE-1, .335″ dia.). Av. wt., 2 oz.

Type No.	Outline Drawing	Use	Application	EACH
GE-1	B	PNP	Mixer/Oscillator Converter; RF and IF Amplifier	1.25
GE-2	B	PNP	AF Amplifier	1.20
GE-3	C	PNP	AF Power Amplifier	2.25
GE-4	D	PNP	AF High Power Amplifier	4.50
GE-5	B	NPN	Mixer/Oscillator Converter; RF and AF Amplifier	1.63
GE-6	A	NPN	Mixer/Oscillator Converter; RF Amplifier	1.75
GE-7	A	NPN	IF Amplifier	1.58
GE-8	B	NPN	AF Amplifier	1.20
GE-9	B	PNP	Mixer/Oscillator Converter; RF and IF Amplifier	1.20

TYPE GE-504 UNIVERSAL TV RECTIFIER

Top-hat type. Recommended as a replacement for all selenium, germanium and silicon rectifiers used in television receivers. 45-amp surge rating eliminates need for surge limiting resistors. Rated 400 PIV and 750 ma DC. 2 oz.
GE-504....................1.00

TOP-HAT SILICON AND GERMANIUM RECTIFIERS

For low-cost, general use. Hermetic seals. 2 oz.

Type No.	Peak Inverse Volts	Maximum DC (ma)	EACH
1N91	100	150	85¢
1N1692	100	600	45¢
1N1693	200	600	48¢
1N1694	300	600	56¢
1N1695	400	600	66¢
1N1696	500	600	72¢
1N1697	600	600	93¢

GERMANIUM TV RECTIFIERS

Compact size, increased output, long life, easy installation. Extremely low voltage-drop. IN584 is dual rectifier wired for voltage-doubler use. IN1024 is half-wave type; requires 3 mounting holes. Shpg. wt., 2 oz.

Type No.	RMS Volts	Peak Inverse Volts	Max. DC (ma)	EACH
1N584	130	380	400	1.97
1N1024	130	380	400	1.50

CRYSTAL DIODES

Type No.	Description	Av. Forward Current (ma)	PRV	EACH
1N34AS	General Purpose	50	75	32¢
1N60	Video Detector	50	30	48¢
1N82A	Silicon UHF Mixer	....	5	91¢
1N295	50-mc Detector	30	50	35¢

"VAC-U-SEL" DOUBLE DIODES

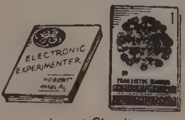
Miniature units for TV horizontal detector, etc. Static balance, less than 0.3 ma difference between cells. 7/16x5/16x3/16″. 4 oz.

Type No.	Ifwd	Imr	Description	EA.
6GC1	1.1 ma @ 2.5V	4 μa @ 20V	Common Cathode	54¢
6GD1	1.1 ma @ 2.5V	4 μa @ 20V	Series Connected	
6GX1	1.1 ma @ 2.5V	4 μa @ 20V	Common Anode	

MANUALS

Transistor Manual. 22 chapters on theory, radio circuits, amplifiers, oscillators. 1¼ lbs.
37 K 001............2.00

Electronics Experimenter/Hobbyist Manual. Newest SCR and rectifier applications, circuits. 8 oz.
37 K 102..................1.00

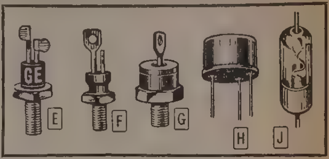


Latest Circuits Plus Experiments

ELECTRONIC COMPONENTS FOR EXPERIMENTERS AND HOBBYISTS

Series GE-X includes diagrams from which educational and practical electronic devices can be built. All are silicon controlled devices, except GE-X4 (conventional silicon rectifier), and GE-X6 (cadmium sulfide photo-conductive cell).

SILICON RECTIFIERS



E GE-X1. Silicon controlled rectifier is solid-state switch for 117-v. household circuits. Controls up to 4.7 amps. Speed control for hand tools, mixers. 3 oz.
GE-X1......6.30

F GE-X3. Silicon controlled rectifier for high current (up to 13 amps) at lower voltage up to 50 PIV. Ideal for battery chargers, electroplating, relay replacement, or low-voltage controls operating from auto or boat batteries. Shpg. wt., 3 oz.
GE-X3..............6.00

G GE-X4. Low-cost, high-current conventional silicon rectifier. 20 amps at up to 200 PIV. For Hi-Lo lamp dimmers, motor-speed controls, battery chargers, and (with GE-X1 or GE-X3) full-wave SCR light dimmers or DC power supplies. 3 oz.
GE-X4..............1.95

H GE-X5. Capable of handling up to 1.6 amps and 50 volts. Because it can be activated by momentary 200 μw or *less*, it is invaluable for simple remote controls, temperature controls, alarm systems, other imaginative devices. 3 oz.
GE-X5..............4.45

J GE-X2. "Mighty midget"—the first *light activated* power switch. Silicon controlled rectifier conducts up to ¼ amp, up to 25 volts. Fine for photoelectric controls, experimental ignition systems, "Slave Photoflash" circuits. Shpg. wt., 3 oz.
GE-X2..............3.50

H GE-X6. End-illuminated, cadmium sulfide photo-conductive cell for making intriguing electronic devices. Up to 250 volts peak AC-DC in control uses such as relay controls, automatic light flashers, remote indication, and punched card or tape readouts. Shpg. wt., 3 oz.
GE-X6..............1.75

GE-X7 REED SWITCH (Not illus.) can carry loads from 15 volt-amperes down to micro-amperes. The GE-X7, with external magnetic actuation, is ideal for liquid-level controls, weight measuring devices, temperature limiters, multiple relays; etc. Wt., 2 oz.
GE-X7..............1.00

H GE-X8. An NPN isolated case, germanium, medium speed transistor designed for low level switching and amplification. Includes schematics for building Light Flasher, Light Target and Triggered Light Source. Other uses: oscillator, DC amps. 3 oz.
GE-X8..............85

H GE-X9. A PNP germanium transistor for medium power amplification and switching. With schematics for Light Flasher, Light Target and Triggered Light Source. Shpg. wt., 3 oz.
GE-X9..............85

H GE-X10. Unijunction transistor for oscillators, timing circuits, SCR firing and bi-stable circuits. Includes schematic for High Precision Automotive Type Tachometer. 3 oz.
GE-X10..............4.95

GE-X11. (Not illus.) Silicon zener diode rated 8.2 v. @ 1 watt. With schematic for building Automotive Type Tachometer. For voltage regulation and transient protection. Wt., 3 oz.
GE-X11..............2.25

TYPE 2N107 AUDIO TRANSISTOR

Alloy junction PNP for projects such as simple audio amplifiers; 1-, 2-, or 3-transistor radios; code-practice oscillator. BV_{CE}= −6 V. h_{FE}=20 min. 3 oz.
2N107..............55¢

TYPE 2N170 HIGH-FREQUENCY TRANSISTOR

Low-voltage, high-frequency NPN transistor. Use it to build pocket radios, amplifiers, etc. BV_{CE}=6 V.; Min. conversion gain, 22 db. 3 oz.
2N170..............75¢

TYPE GE-M100 GERMANIUM MESA TRANSISTOR

Germanium mesa transistor for the Ham, hobbyist, and Citizens Bander. The GE-M100 is packaged with complete circuit diagrams covering construction of transistorized Citizens-Band and remote control units. 3 oz.
GE-M100..............1.50

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KEY TO NAMES OF MANUFACTURERS

GE..............General Electric
HUG..............Hughes Aircraft
IR..........International Rectifier
MIC..........Microwave Associates
MOT....................Motorola
NAT.....................National
OHM.......................Ohmite
RCA........Radio Corp. of America
SPR......................Sprague
ST..................Sarkes-Tarzian
SYL.....................Sylvania
TI.................Texas Instruments
TRW..........Pacific Semiconductors, Thompson Ramo Woolridge
WES..................Westinghouse

Type	Mfr.	EA.
1N34A	SYL	.30
1N34AS	GE	.32
1N35	OHM	1.42
1N38A	SYL	.49
1N38B	SYL	.49
1N39A	OHM	1.65
1N39B	OHM	1.53
1N48	SYL	.30
1N54A	OHM	.50
1N54AL	SYL	1.20
1N55A	SYL	.84
1N56A	OHM	.38
1N58A	SYL	.77
1N60	IR	.29
1N63	SYL	.36
1N64	OHM	.27
1N65	SYL	.48
1N67A	IR	.40
1N68A	SYL	.70
1N69A	SYL	.30
1N69AL	SYL	.73
1N70A	SYL	.48
1N81A	SYL	.48
1N81AL	SYL	.94
1N82	SYL	.70
1N82A	GE	.91
1N87A	IR	.35
1N90	SYL	.33
1N91	GE	.85
1N92	GE	1.95
1N93	GE	2.70
1N95	HUG	.52
1N96	OHM	.53
1N96A	OHM	.53
1N97	HUG	.69
1N98	SYL	.48
1N98A	OHM	.43
1N99	OHM	.45
1N100	OHM	.46
1N100A	OHM	.46
1N115	SYL	.64
1N116	SYL	.53
1N117	HUG	.58
1N118	HUG	.61
1N118A	HUG	.63
1N119	SYL	.51
1N120	SYL	.46
1N126	SYL	.30
1N126A	SYL	.30
1N127, A	SYL	.42
1N128	SYL	.32
1N143	OHM	.86
1N149	MIC	3.07
1N150	MIC	3.13
1N150R	MIC	4.70
1N151	GE	2.70
1N152	GE	3.40
1N153	GE	4.45
1N158	GE	6.10
1N160	MIC	2.78
1N191	SYL	.35
1N192	SYL	.34
1N198, A	SYL	.35
1N198B	SYL	1.03
1N248, A	GE	1.82
1N248B	MOT	1.35
1N248C	MOT	1.65
1N248C, R	RCA	1.82
1N249,A,B,C	GE	2.31
1N249B	MOT	1.72
1N249C	MOT	2.02
1N250,A,C	GE	3.30
1N250B	MOT	2.45
1N250C	MOT	2.75
1N251	SYL	.90
1N252	SYL	.80
1N253, R	TI	1.05
1N254, R	TI	1.12
1N255, R	TI	1.72
1N256, R	TI	2.40
1N270	SYL	.32
1N273	HUG	.68
1N276	SYL	.31
1N277	SYL	.34
1N278	HUG	1.03
1N279	SYL	.29
1N281	SYL	.31
1N283	SYL	.51
1N287	HUG	.88
1N288	HUG	.88
1N289	HUG	.90
1N291	HUG	.95
1N292	HUG	.60
1N294	SYL	.34
1N295	GE	.35
1N297	SYL	.70
1N298	SYL	.48
1N315	GE	3.00
1N332	TI	1.72
1N333	TI	1.72
1N334	TI	1.42
1N335	TI	1.42
1N336	TI	1.12
1N337	TI	1.12
1N338	TI	1.05
1N339	GE	1.05
1N340	GE	1.05
1N341	TI	1.72
1N342	TI	1.72
1N343	TI	1.42
1N344	TI	1.42
1N345	TI	1.12
1N346	TI	1.12
1N347	TI	1.05
1N348	GE	1.05
1N349	GE	1.05
1N368	GE	2.55
1N429	MOT	5.45
1N430	TRW	15.00
1N430A	TRW	22.00
1N430B	IR	35.60
1N440, B	GE	.66
1N441, B	GE	.69
1N442, B	GE	.79
1N443, B	GE	.98
1N444B	GE	1.05
1N445B	GE	1.43
1N456, A	SYL	.37
1N457, A	SYL	.45
1N458, A	SYL	.51
1N459, A	SYL	.66
1N461, A	SYL	.35
1N462, A	SYL	.38
1N463, A	SYL	.46
1N464, A	SYL	.45
1N468	HUG	3.00
1N482,A,B	SYL	.59
1N483,A,B	SYL	.61
1N484,A,B	SYL	.70
1N485,A,B	SYL	.77
1N486,A,B	SYL	.85
1N487	SYL	.90
1N487A	SYL	1.20
1N488	SYL	1.05
1N488A	SYL	1.54
1N497	SYL	.45
1N498	SYL	.50
1N500	SYL	.53
1N530	TI	.50
1N531	TI	.53
1N532	TI	.60
1N533	TI	.67
1N534	TI	.82
1N535	TI	.97
1N536	RCA	.45
1N537	RCA	.50
1N538	RCA	.53
1N539	GE	.60
1N540	TI	.67
1N541	IR	.40
1N542	IR	.90
1N547	GE	.96
1N550	TI	1.05
1N551	TI	1.12
1N552	TI	1.42
1N553	TI	1.72
1N554	TI	1.80
1N555	TI	2.40
1N560	TI	1.50
1N561	TI	2.70
1N562	MOT	5.02
1N563	MOT	7.50
1N570	IR	9.97
1N584	GE	1.97
1N588	TI	6.30
1N589	TI	6.30
1N596	IR	5.00
1N597	IR	6.00
1N598	IR	8.50
1N599	GE	.47
1N599A	GE	.54
1N600	GE	.53
1N600A	GE	.63
1N601	GE	.54
1N601A	GE	.65
1N602	GE	.63
1N602A	GE	.66
1N603	GE	.66
1N603A	GE	.79
1N604	GE	.81
1N604A	GE	1.28
1N605	GE	.90
1N605A	GE	1.43
1N606	GE	1.19
1N606A	GE	2.03
1N607	GE	1.05
1N607A	TI	1.00
1N608	GE	1.08
1N608A	TI	1.05
1N609	GE	1.13
1N609A	TI	1.05
1N610	GE	1.14
1N610A	TI	1.12
1N611	GE	1.44
1N611A	TI	1.42
1N612	GE	1.80
1N612A	TI	1.72
1N613	GE	1.80
1N613A	TI	1.80
1N614	GE	2.45
1N614A	TI	2.40
1N625	SYL	.54
1N626	SYL	.59
1N626A	HUG	1.50
1N627	SYL	.67
1N628	TI	.72
1N629	TI	.86
1N631	SYL	.80
1N632	SYL	.72
1N633	SYL	1.46
1N636	SYL	.38
1N636A	IR	.38
1N643	TRW	2.20
1N643A	SYL	1.60
1N645	TRW	1.40
1N645A	TRW	1.65
1N646	TRW	1.65
1N647	TRW	1.80
1N648	TRW	1.95
1N649	TRW	2.50
1N658	SYL	1.80
1N659	SYL	.85
1N659A	GE	1.75
1N660	TRW	1.30
1N661	TRW	1.95
1N662, A	TRW	1.20
1N662	SYL	1.00
1N663	SYL	1.35
1N663, A	TRW	1.54
1N676	GE	.93
1N677	GE	1.05
1N678	GE	1.23
1N679	GE	1.35
1N681	GE	1.53
1N682	GE	1.65
1N683	GE	1.80
1N684	GE	1.88
1N685	GE	2.10
1N686	GE	2.25
1N687	GE	2.40
1N689	GE	2.50
1N690	TRW	2.86
1N695	SYL	.65
1N695A	HUG	.98
1N699	HUG	1.02
1N702 thru 1N725	IR	1.50
1N702A thru 1N725A	IR	1.75
1N730 thru 1N734	MOT	3.50
1N746 thru 1N759	IR	1.50
1N746A thru 1N759A	IR	1.75
1N761 thru 1N769	TRW	2.10
1N770	SYL	.48
1N789	HUG	.60
1N790	HUG	.65
1N791	HUG	.70
1N792	HUG	.70
1N793	HUG	1.05
1N794	HUG	.91
1N795	HUG	1.12
1N796	TRW	2.70
1N797	TRW	2.30
1N798	TRW	2.00
1N799	TRW	2.70
1N800	TRW	3.60
1N801	TRW	2.45
1N802	TRW	3.00
1N803	TRW	2.80
1N804	TRW	3.60
1N805	SYL	.34
1N810	HUG	.98
1N811	HUG	.70
1N812	HUG	.98
1N813	HUG	.77
1N814	HUG	1.47
1N815	HUG	.91
1N816	SYL	.45
1N818	HUG	1.12
1N821	IR	3.75
1N821A	IR	4.50
1N823	IR	4.75
1N823A	IR	5.50
1N825	IR	7.50
1N825A	IR	10.00
1N827	IR	21.00
1N827A	IR	23.00
1N837, A	HUG	2.59
1N840	HUG	2.03
1N844	HUG	2.27
1N845	HUG	3.75
1N891	HUG	1.89
1N903	HUG	1.40
1N903A	HUG	1.47
1N904	HUG	1.33
1N904A	HUG	1.40
1N905	HUG	1.26
1N905A	HUG	1.33
1N906	HUG	.98
1N906A	HUG	1.05
1N907	HUG	1.05
1N907A	HUG	1.12
1N908	HUG	1.12
1N908A	HUG	1.19
1N914	HUG	1.89
1N914A	SYL	1.50
1N914B	HUG	2.45
1N915	HUG	1.54
1N916	SYL	1.40
1N916A	SYL	1.49
1N916B	HUG	2.31
1N917	HUG	1.92
1N920	MIC	3.50
1N921	MIC	4.80
1N925	TRW	.50
1N926	TRW	.52
1N927	TRW	1.00
1N928	TRW	1.60
1N929	HUG	1.26
1N930	HUG	1.68
1N933	SYL	1.12
1N935	MOT	2.35
1N935A	MOT	2.65
1N935B	MOT	3.60
1N936	MOT	2.80
1N936A	MOT	3.60
1N936B	MOT	4.25
1N937	MOT	5.45
1N937A	MOT	6.30
1N937B	MOT	7.25
1N938	MOT	7.10
1N938A	MOT	7.70
1N938B	MOT	11.30
1N939	MOT	18.75
1N941	MOT	4.90
1N941A	MOT	5.25
1N941B	MOT	6.05
1N942	MOT	5.35
1N942A	MOT	6.35
1N942B	MOT	7.35
1N943	MOT	9.10
1N943A	MOT	9.90
1N943B	MOT	11.10
1N944	MOT	10.55
1N944A	MOT	12.00
1N944B	MOT	15.90
1N945	MOT	24.50
1N948	HUG	.77
1N949	SYL	.70
1N950	HUG	15.40
1N951	HUG	15.40
1N952	HUG	7.70
1N953	HUG	5.00
1N954	HUG	9.60
1N955	HUG	6.90
1N956	HUG	6.90
1N957 thru 1N973	IR	1.40
1N957A thru 1N973A	IR	1.50
1N957B thru 1N973B	IR	1.75
1N972B thru 1N984B	MOT	2.95
1N975A	MOT	2.35
1N984A	MOT	2.35
1N985B thru 1N992B	MOT	3.65
1N993	HUG	1.33
1N995	HUG	.60
1N997	SYL	1.10
1N1024	GE	1.50
1N1081	ST	.65
1N1082	ST	.75
1N1083	ST	.85
1N1084	ST	.95
1N1085A	ST	3.34
1N1086A	ST	4.00
1N1087, A	ST	4.67
1N1088A	ST	5.35
1N1095	TI	.76
1N1096	TI	.90
1N1100	GE	.53
1N1101	GE	.63
1N1102	GE	.66
1N1103	GE	.81
1N1104	TI	1.05
1N1105	TI	1.30
1N1108	ST	3.15
1N1109	ST	4.75
1N1110	ST	6.35
1N1111	ST	7.95
1N1112	ST	9.55
1N1113	ST	11.15
1N1115	GE	1.05
1N1116	TI	1.12
1N1117	TI	1.42
1N1118	TI	1.72
1N1119	TI	1.80
1N1120	TI	2.40
1N1124, R	TI	2.10
1N1124A	TI	2.10
1N1125, R	TI	2.55
1N1125A	TI	2.55
1N1126, R	TI	1.72
1N1126A	TI	1.72
1N1127, R	TI	5.25
1N1127A	TI	5.25
1N1128, R	TI	6.00
1N1128A	TI	6.00
1N1130	TI	5.75
1N1131	TI	5.75
1N1150A	ST	12.00
1N1157	ST	3.50
1N1158	ST	3.86
1N1159	ST	4.34
1N1160	ST	5.23
1N1162	ST	4.93
1N1163	ST	5.46
1N1165	ST	10.80
1N1166	ST	12.20
1N1167	ST	15.30
1N1168	ST	18.00
1N1183	MOT	1.95
1N1183A,R	RCA	2.56
1N1184	MOT	2.40
1N1184A,R	WES	3.22
1N1185	MOT	2.90
1N1186	MOT	3.45
1N1186A,R	WES	4.70
1N1187	MOT	5.25
1N1187A,R	RCA	7.01
1N1188	MOT	6.45
1N1188A,R	WES	8.66
1N1189	MOT	7.80
1N1189A,R	RCA	10.31
1N1190	MOT	9.30
1N1190A,R	WES	12.38
1N1191	MOT	1.35
1N1192	MOT	1.72
1N1193	MOT	2.10
1N1194	MOT	2.45
1N1195	MOT	4.05
1N1195A	MOT	4.35
1N1196	MOT	4.95
1N1196A	MOT	5.25
1N1197	MOT	6.15
1N1197A	MOT	6.45
1N1198	MOT	7.50
1N1198A	MOT	7.80
1N1199	IR	1.25
1N1199A,R	RCA	1.24
1N1200, A	IR	1.40
1N1202	ST	2.70
1N1203	ST	3.70
1N1204	ST	4.50
1N1206	ST	5.80
1N1201, A	IR	1.80
1N1202A,R	WES	2.72
1N1203A,R	RCA	4.13
1N1204A,R	WES	5.10
1N1205, A	IR	5.75
1N1206A	GE	6.90
1N1217	MOT	.68
1N1217A	MOT	.84
1N1218A	ST	.83
1N1220A	ST	1.07
1N1221A	ST	1.80
1N1223A	ST	3.14
1N1224A	ST	3.94
1N1218	GE	.56
1N1219	MOT	.82
1N1219A	MOT	1.19
1N1220	MOT	.93
1N1221	MOT	1.23
1N1222	MOT	1.50
1N1222A	MOT	2.55
1N1223	MOT	1.95
1N1224	MOT	2.40
1N1226	MOT	3.90
1N1227B	GE	1.50
1N1228B	GE	1.65
1N1230B	GE	2.03
1N1237	ST	12.00
1N1238	ST	12.00
1N1239	ST	18.10
1N1262	ST	18.10
1N1313A thru 1N1327A	MOT	5.45
1N1343	ST	1.25
1N1346	ST	1.95
1N1348	ST	2.70
1N1341, A	IR	1.15
1N1342, A	IR	1.25
1N1343A	GE	1.64
1N1344, A	IR	2.50
1N1344A,R	WES	2.45
1N1345, A	IR	3.70
1N1347, A	IR	5.25
1N1348, A	IR	6.25
1N1351 thru 1N1374	IR	4.90
1N1351A thru 1N1374A	IR	5.10
1N1406	IR	5.00
1N1407	IR	5.50
1N1408	HUG	6.83
1N1409	HUG	7.25
1N1410	HUG	7.98
1N1411	IR	11.00
1N1412	IR	13.50
1N1413	IR	15.50
1N1487	GE	.53
1N1488	GE	.63
1N1489	GE	.66
1N1490	GE	.81
1N1491	GE	.90
1N1492	GE	1.19
1N1507 thru 1N1517	IR	2.75
1N1507A thru 1N1517A	IR	3.45
1N1518	IR	3.00
1N1518A	IR	3.65
1N1519	IR	3.00
1N1519A	IR	3.65
1M1520 thru 1N1528	IR	2.95
1N1520A thru 1N1528A	IR	3.60
1N1530	MOT	16.55
1N1530A	MOT	24.85
1N1537	MOT	1.75
1N1538	MOT	2.25
1N1539	MOT	2.32
1N1540	MOT	2.55
1N1541	MOT	3.00
1N1542	MOT	3.97
1N1543	MOT	5.17
1N1544	MOT	6.30
1N1563	MOT	1.35
1N1563A	MOT	1.65
1N1564	MOT	1.50
1N1564A	MOT	1.87
1N1565	MOT	1.65
1N1565A	MOT	2.17
1N1566	MOT	1.80
1N1566A	MOT	2.40
1N1567	MOT	2.10
1N1567A	MOT	2.85
1N1568	MOT	3.30
1N1568A	MOT	4.40
1N1581	TI	1.10
1N1582	TI	1.20
1N1583	TI	2.25
1N1584	TI	3.30
1N1585	TI	4.05
1N1586	TI	4.65
1N1587	TI	5.25
1N1588	IR	5.30

Type	Mfr.	EA.
1N1588A	IR	6.40
1N1589	IR	5.30
1N1589A	IR	6.40
1N1590 thru		
1N1598	IR	3.85
1N1590A thru		
1N1598A	IR	4.60
1N1599	IR	5.50
1N1599A	IR	7.25
1N1600	IR	5.50
1N1600A	IR	7.25
1N1601 thru		
1N1609	IR	5.00
1N1601A thru		
1N1609A	IR	5.50
1N1611	MIC	4.28
1N1611A	MIC	9.15
1N1611AR	SYL	12.80
1N1612, R	RCA	1.07
1N1613, R	RCA	1.24
1N1614, R	RCA	1.90
1N1615, R	TI	4.05
1N1616, R	TI	5.77
1N1621	ST	2.24
1N1622	ST	2.80
1N1623	ST	3.45
1N1624	ST	4.24
1N1625A	IR	.37
1N1630	IR	.48
1N1632	IR	.56
1N1635	IR	.37
1N1639	IR	.52
1N1641	IR	.41
1N1642	IR	.45
1N1692	GE	.45
1N1693	GE	.48
1N1694	GE	.56
1N1695	GE	.66
1N1696	GE	.72
1N1697	GE	.93
1N1701	IR	.75
1N1702	IR	.87
1N1703	IR	1.01
1N1704	IR	1.23
1N1705	IR	1.57
1N1706	IR	2.59
1N1707	IR	1.53
1N1708	IR	1.78
1N1709	IR	2.15
1N1710	IR	2.87
1N1711	IR	4.33
1N1712	IR	6.50
1N1730	HUG	2.80
1N1731	HUG	4.00
1N1732	HUG	5.04
1N1733	HUG	6.09
1N1734	HUG	9.38
1N1730	MOT	5.85
1N1731	MOT	6.90
1N1732	MOT	8.70
1N1733	MOT	12.75
1N1734	MOT	15.00
1N1735	IR	6.20
1N1736	IR	8.80
1N1736A	IR	14.05
1N1738	IR	17.20
1N1739A	IR	33.00
1N1763	RCA	.41
1N1764	RCA	.58
1N1765 thru		
1N1768	GE	2.40
1N1769 thru		
1N1776	GE	3.90
1N1805 thru		
1N1808	IR	4.90
1N1805A thru		
1N1808A	IR	5.10
1N1816 thru		
1N1836	TI	5.70
1N1929	HUG	2.20
1N1930	HUG	2.20
1N1931 thru		
1N1933	HUG	2.09
1N1934	HUG	1.98
1N1935	HUG	1.98
1N1936	HUG	2.20
1N1937	HUG	2.20
1N1956 thru		
1N1965	IR	2.60
1N2008	TI	5.25
1N2009 thru		
1N2011	TI	5.70
1N2054	IR	12.40
1N2055	IR	13.90
1N2056	IR	16.60
1N2057	IR	18.90
1N2069	IR	.50
1N2070	IR	68
1N2071	IR	.87
1N2069	TI	.49
1N2069A	SYL	.60
1N2070	TI	.67
1N2070A	SYL	.75
1N2071	TI	.87
1N2071A	SYL	1.10
1N2117	TI	9.95
1N2128	IR	2.40
1N2128A	IR	2.50
1N2129	IR	3.05
1N2129A	IR	3.20
1N2130	IR	3.80
1N2130A	IR	4.00
1N2131	IR	4.50
1N2131A	IR	4.75
1N2132	IR	5.20
1N2132A	IR	5.75
1N2133	IR	6.35
1N2133A	IR	7.00
1N2134	IR	6.50
1N2134A	IR	7.75
1N2135	IR	6.70
1N2135A	IR	8.60
1N2136	IR	7.00
1N2136A	IR	9.40
1N2137	IR	7.30
1N2137A	IR	10.25
1N2138	IR	8.00
1N2154, R	GE	2.39
1N2155, R	GE	3.00
1N2156, R	GE	4.38
1N2157, R	GE	6.53
1N2158, R	GE	8.04
1N2159, R	GE	9.60
1N2160, R	GE	11.51
1N2175	TI	11.50
1N2326	RCA	.50
1N2382	HUG	8.65
1N2383	HUG	11.73
1N2389	ST	6.10
1N2482	ST	.50
1N2483	ST	.60
1N2484	ST	.65
1N2485	ST	.60
1N2486	ST	.63
1N2487	ST	.65
1N2488	ST	.72
1N2489	ST	.75
1N2490	ST	12.00
1N2498 thru		
1N2500	TI	5.70
1N2609	MOT	.90
1N2610	ST	.55
1N2611	ST	.58
1N2613	ST	.67
1N2615	ST	.75
1N2612	GE	1.54
1N2614	GE	1.95
1N2616	MOT	4.85
1N2617	MOT	7.50
1N2630	IR	9.97
1N2631	IR	9.97
1N2633 thru		
1N2636	IR	9.97
1N2785	TRW	7.65
1N2771	MIC	10.00
1N2620	MOT	4.10
1N2620A	MOT	4.35
1N2620B	MOT	4.90
1N2621	MOT	4.60
1N2621A	MOT	5.55
1N2621B	MOT	6.75
1N2622	MOT	7.60
1N2622A	MOT	8.15
1N2622B	MOT	9.35
1N2623	MOT	8.80
1N2623A	MOT	10.05
1N2765	MOT	5.00
1N2765A	MOT	6.25
1N2766	MOT	6.60
1N2766A	MOT	8.70
1N2767	MOT	9.05
1N2767A	MOT	11.70
1N2768	MOT	11.15
1N2769	MOT	13.70
1N2770	MOT	15.75
1N2804 thru		
1N2838	MOT	6.25
1N2804B thru		
1N2838B	MOT	11.75
1N2808A	MOT	8.20
1N2818A	MOT	8.20
1N2824A	MOT	8.20
1N2826A	MOT	8.20
1N2834A	MOT	8.20
1N2836A	MOT	8.20
1N2837A	MOT	8.20
1N2839B thru		
1N2846	MOT	7.00
1N2839 thru		
1N2846B	MOT	17.95
1N2858	RCA	.36
1N2859	RCA	.38
1N2860	RCA	.40
1N2861	RCA	.43
1N2862	RCA	.61
1N2863	RCA	.66
1N2939	GE	6.70
1N2940	GE	4.95
1N2940A	GE	10.05
1N2941	GE	4.15
1N2941A	GE	8.25
1N2969	GE	4.55
1N2969A	GE	9.15
1N2970A thru		
1N3011A	IR	5.20
1N2970B thru		
1N3011B	IR	5.30
1N3012 thru		
1N3015	IR	5.35
1N3012A	IR	5.70
1N3015A	IR	5.70
1N3012B thru		
1N3015B	IR	6.50
1N3016 thru		
1N3044	IR	2.60
1N3016B thru		
1N3044B	IR	3.40
1N3045 thru		
1N3051	IR	2.70
1N3045B thru		
1N3051B	IR	4.20
1N3016A thru		
1N3044A	TI	3.00
1N3045A thru		
1N3051A	TI	4.85
1N3062	HUG	2.66
1N3063	HUG	2.45
1N3064	SYL	2.00
1N3065	HUG	2.59
1N3066	HUG	2.59
1N3067	GE	1.20
1N3068	HUG	.84
1N3069	HUG	1.40
1N3070	TI	6.45
1N3085	IR	8.00
1N3111	IR	7.00
1N3118	GE	9.15
1N3123	HUG	1.75
1N3124	HUG	1.47
1N3125	SYL	.51
1N3128	RCA	6.35
1N2129	RCA	7.59
1N3130	RCA	8.17
1N3143,R	SYL	5.60
1N3149	GE	4.15
1N3149A	GE	8.25
1N3150	GE	4.15
1N3154	MOT	4.25
1N3154A	MOT	6.00
1N3155	MOT	5.10
1N3155A	MOT	7.65
1N3156	MOT	11.70
1N3154	IR	4.00
1N3154A	IR	5.50
1N3155	IR	4.75
1N3155A	IR	7.00
1N3189	TI	3.00
1N3190	GE	4.50
1N3191	TI	7.20
1N3193	RCA	.38
1N3194	RCA	.41
1N3195	RCA	.66
1N3196	RCA	.91
1N3206	TRW	4.90
1N3207	TRW	4.50
1N3208, R	MOT	1.15
1N3209, R	MOT	1.30
1N3210, R	MOT	1.75
1N3211, R	MOT	2.40
1N3212, R	MOT	2.90
1N3213	GE	3.53
1N3214	GE	4.20
1N3253	RCA	.41
1N3254	RCA	.45
1N3255	RCA	.69
1N3256	RCA	.94
1N3257	HUG	2.70
1N3258	HUG	2.84
1N3261 R	WES	8.14
1N3282	MOT	2.25
1N3283	MOT	2.90
1N3284	MOT	7.95
1N3285	MOT	10.05
1N3298	TRW	3.20
1N3305 thru		
1N3340	MOT	6.05
1N3305B thru		
1N3340B	MOT	11.50
1N3341 thru		
1N3350	MOT	6.80
1N3488	TRW	5.50
1N3491	MOT	.67
1N3492	MOT	.76
1N3493	MOT	1.11
1N3494	MOT	1.27
1N3495	MOT	1.48
1N3510 thru		
1N3530	IR	3.60
1N3536	HUG	1.47
1N3544	GE	2.25
1N3545	GE	2.78
1N3546	GE	3.49
1N3547	GE	4.50
1N3548	GE	5.55
1N3549	GE	6.45
1N3551	TRW	4.50
1N3552	TRW	5.00
1N3563	RCA	1.65
1N3569	GE	1.34
1N3570	GE	1.62
1N3571	GE	2.10
1N3572	GE	2.57
1N3573	GE	3.86
1N3574	GE	5.54
1N3575	TI	1.75
1N3576	TI	2.15
1N3577	TI	2.30
1N3578	TI	2.73
1N3579	TI	3.00
1N3580	MOT	4.90
1N3580A	MOT	5.20
1N3580B	MOT	6.00
1N3581	MOT	5.55
1N3581A	MOT	6.45
1N3581B	MOT	7.75
1N3582	MOT	8.95
1N3582A	MOT	9.80
1N3582B	MOT	10.90
1N3596	HUG	1.47
1N3598	HUG	2.45
1N3600	GE	5.50
1N3604	SYL	2.00
1N3605	GE	2.45
1N3606	GE	2.90
1N3607	GE	4.65
1N3608	GE	4.65
1N3615	IR	1.38
1N3616	IR	1.54
1N3617	IR	1.98
1N3618	IR	3.03
1N3619	IR	4.40
1N3620	IR	5.50
1N3621	IR	6.33
1N3622	IR	7.70
1N3623	IR	10.44
1N3639	GE	.60
1N3640	GE	.75
1N3641	GE	1.08
1N3642	GE	1.49
1N3649	TI	2.88
1N3650	TI	3.60
1N3659, R	MOT	.90
1N3660, R	MOT	.99
1N3661, R	MOT	1.33
1N3662, R	MOT	1.48
1N3663, R	MOT	1.70
1N3670, A	IR	8.40
1N3671, A	IR	9.49
1N3680B thru		
1N3696B	MOT	4.90
1N3712	GE	3.75
1N3713	GE	5.60
1N3714	GE	3.30
1N3715	GE	5.15
1N3716	GE	2.55
1N3717	GE	4.45
1N3718	GE	2.55
1N3719	GE	4.45
1N3720	GE	1.80
1N3721	GE	4.45
1N3754	RCA	.31
1N3755	RCA	.33
1N3756	RCA	.35
1N3775, R	TI	5.85
1N3785 thru		
1N3813	MOT	3.75
1N3785B thru		
1N3813B	MOT	6.95
1N3814 thru		
1N3820	MOT	4.75
1N3814B thru		
1N3816B	MOT	8.35
1N3817B thru		
1N3820B	MOT	8.80
1N3821A thru		
1N3830A	MOT	2.65
1N3847 thru		
1N3851	RCA	4.95
1N3852	RCA	6.35
1N3853	RCA	5.94
1N3854	RCA	7.59
1N3855	RCA	8.17
1N3856	RCA	8.17
1N3857	RCA	8.58
1N3858	RCA	6.52
1N3859	RCA	8.17
1N3860	RCA	10.73
1N3861	RCA	6.19
1N3862	RCA	7.67
1N3863	RCA	9.41
1N3873	HUG	2.31
1N3873/HR	GE	4.20
1N3958	GE	1.49
1N3959	GE	1.80
1N3960	GE	2.33
1N3961	GE	2.85
1N3962	GE	4.28
1N3963	GE	6.15
1N3987	IR	8.25
1N3988	IR	9.10
1N3993 thru		
1N3995	MOT	8.50
1N3993A thru		
1N3995A	MOT	10.25
1N3996 thru		
1N4000	MOT	5.65
1N3996A thru		
1N4000A	MOT	7.70
1N4001	MOT	.45
1N4002	MOT	.49
1N4003	MOT	.60
1N4004	MOT	.67
1N4005	MOT	.96
1N4006	MOT	2.55
1N4007	MOT	5.10
1N4009	GE	.78
1N4043	GE	2.60
1N4090	GE	3.30
1N4092	HUG	.63
1N4099 thru		
1N4135	MOT	5.05
1N4147	HUG	.98
1N4148	GE	2.40
1N4149	GE	2.85
1N4150	GE	5.50
1N4151	GE	2.45
1N4152	GE	2.45
1N4153	GE	2.90
1N4154	GE	.78
1N4156	GE	2.25
1N4157	GE	2.48
1N4305	GE	2.85
1N4306	GE	8.25
1N4364	TI	.45
1N4365	TI	.48
1N4366	TI	.56
1N4367	TI	.66
1N4368	TI	.72
1N4369	TI	.90
1N4370A thru		
1N4372A	MOT	2.70
1N4374	TI	7.50
1N4442	GE	2.20
1N4443	GE	2.40
1N4444	GE	1.90
1N4445	GE	2.10
1N4446	GE	2.70
1N4447	GE	3.05
1N4448	GE	3.00
1N4449	GE	4.50
1N4450	GE	2.55
1N4451	GE	2.80
1N4452	GE	3.75
1N4453	GE	1.90
1N4454	GE	2.70
2N35	SYL	.91
2N43, A	GE	4.15
2N44	GE	2.95
2N78	GE	2.50
2N78A	GE	2.70
2N94	SYL	1.05
2N94A	SYL	1.41
2N102/13	SYL	4.50
2N104	RCA	1.65
2N107	GE	.55
2N109	RCA	.59
2N117	TI	8.15
2N118, A	TI	8.15
2N119	TI	11.05
2N120	TI	12.60
2N123	GE	3.65
2N128	SPR	6.30
2N136	GE	2.55
2N139	RCA	1.16
2N140	RCA	1.24
2N144/13	SYL	8.14
2N167	GE	5.10
2N167A	GE	5.10
2N169	GE	1.57
2N169A	GE	2.40
2N170	GE	.75
2N173	MOT	3.70
2N174	MOT	4.00
2N174A	MOT	4.20
2N175	RCA	1.63
2N176	MOT	1.20
2N178	MOT	1.10
2N187A	GE	1.50
2N188A	GE	1.64
2N189	GE	.70
2N190	GE	.75
2N191	GE	.83
2N192	GE	1.57
2N193	SYL	.99
2N194	SYL	.99
2N194A	SYL	1.17
2N211	SYL	1.80
2N212	SYL	1.50
2N213	SYL	.91
2N213A	SYL	1.59
2N214	SYL	1.15
2N214MP	SYL	2.40
2N215	RCA	1.73
2N216	SYL	1.75
2N217	RCA	.56
2N218	RCA	1.16
2N219	RCA	1.24
2N220	RCA	1.52
2N228	SYL	1.59
2N229	SYL	.50
2N233	SYL	.50
2N233A	SYL	1.13
2N240	SPR	5.60
2N241A	GE	.92
2N247/33	SYL	3.14
2N250, A	TI	1.90
2N151, A	TI	2.25
2N265	GE	1.87
2N270	RCA	.83
2N274	RCA	1.24
2N277	MOT	2.50
2N278	RCA	3.10
2N292	GE	.75
2N293	GE	.83
2N297A	MOT	2.25
2N301		
RCA See	2N2869/301	
2N306	SYL	.67
2N307	RCA	1.49
2N319	GE	.44
2N320	GE	.59
2N321	GE	.65
2N322	GE	.42
2N323	GE	.59
2N324	GE	.63
2N327A	NAT	2.45
2N328A	NAT	5.75
2N331	MOT	1.50
2N332	GE	4.65
2N332A	GE	4.95
2N333	GE	4.65
2N333A	GE	4.95
2N334	GE	4.65
2N334A	GE	4.95
2N335	GE	4.95
2N335A	GE	5.25
2N335B	GE	8.90
2N336	GE	6.00
2N336A	GE	6.30
2N337	GE	4.85
2N337A	GE	5.15
2N338	GE	5.50
2N338A	GE	5.80
2N339	TI	10.15
2N340	TI	10.80
2N344	SPR	3.45
2N350, A	MOT	1.65
2N351, A	MOT	1.70
2N370	RCA	.81
2N371	RCA	.79
2N372	RCA	.79
2N375	MOT	4.10
2N376	MOT	1.85
2N376A	MOT	1.85
2N381	MOT	.82
2N382	MOT	1.12
2N383	MOT	1.42
2N384	RCA	1.65
2N388	RCA	.59
2N388A	RCA	1.09
2N393	SPR	4.35
2N394, A	GE	.50
2N395	GE	.50
2N396	TI	.61
2N396A	RCA	.61
2N397	GE	1.11
2N398, A	RCA	1.24
2N398B	RCA	1.44
2N404	RCA	.46
2N404A	GE	.66
2N404/3907	RCA	1.07
2N405	RCA	.36
2N406	RCA	.33
2N407	RCA	.41
2N408	RCA	.38
2N409	RCA	.43
2N410	RCA	.40
2N411	RCA	.46
2N412	RCA	.43
2N413	GE	.41
2N414	RCA	.41
2N426	TI	.72
2N427	GE	.92
2N428	GE	1.24
2N441	MOT	1.85
2N442	MOT	1.95
2N443	MOT	2.08
2N448	GE	.83
2N449	GE	1.57
2N450	GE	2.10
2N456A, B	TI	1.80
2N457A, B	TI	2.65
2N458A, B	TI	2.80
2N460	MOT	1.50
2N461	MOT	1.70
2N464	MOT	1.50
2N465	MOT	1.50
2N466	MOT	1.65
2N467	MOT	2.10
2N470	TI	3.45
2N471	TI	5.60
2N472	TI	7.45
2N473	TI	3.45
2N474	TI	6.40
2N474A	GE	6.70
2N475A	GE	8.25
2N478	GE	3.70
2N479	GE	7.10
2N479A	GE	7.40
2N480	GE	9.50
2N480A	GE	9.80
2N489	GE	7.10
2N489A	GE	7.65
2N489B	GE	9.15
2N490	GE	7.80
2N490A	GE	8.35
2N490B	GE	9.85
2N491	GE	8.40
2N491A	GE	8.90
2N491B	GE	10.40
2N492	GE	9.80
2N492A	GE	10.40
2N493	GE	10.75
2N494	GE	10.90
2N497	GE	3.75
2N497A	GE	4.13
2N498	GE	4.50
2N498A	GE	7.90

Type	Mfr.	EA.
2N499	SPR	3.95
2N501	SPR	6.35
2N501A	SPR	7.05
2N501/18	SYL	3.52
2N502	SPR	2.90
2N502A	SPR	3.45
2N508	GE	.69
2N508A	GE	.78
2N511	TI	4.05
2N511A	TI	4.75
2N511B	TI	5.20
2N512	TI	4.75
2N512A	TI	5.40
2N512B	TI	7.10
2N513	TI	6.00
2N513A	TI	6.65
2N513B	TI	8.70
2N514	TI	8.25
2N514A	TI	8.40
2N515	SYL	1.42
2N516	SYL	1.50
2N517	SYL	1.67
2N524	GE	1.30
2N524A	MOT	1.95
2N525	GE	1.30
2N525A	MOT	2.02
2N526	GE	1.65
2N526A	MOT	2.02
2N527	GE	1.91
2N527A	MOT	2.25
2N541	GE	6.20
2N542	GE	6.30
2N542A	GE	10.05
2N543	GE	8.10
2N554	MOT	.60
2N555	MOT	.75
2N581	RCA	.50
2N582	RCA	.91
2N585	RCA	.99
2N586	RCA	1.73
2N588	SPR	1.45
2N591	RCA	.53
2N594	TI	2.76
2N595	TI	4.26
2N596	TI	5.66
2N618	MOT	4.50
2N627	MOT	2.85
2N628	MOT	3.35
2N629	MOT	5.30
2N630	MOT	6.05
2N640	RCA	1.44
2N647	RCA	1.07
2N647/22	SYL	1.16
2N649	RCA	.86
2N649/22	SYL	.86
2N650	MOT	1.65
2N650A	TI	1.70
2N651	MOT	1.65
2N651A	MOT	2.02
2N652	MOT	2.17
2N652A	MOT	2.55
2N653	MOT	1.65
2N654	MOT	1.80
2N655	MOT	1.95
2N656	GE	4.10
2N656	TI	4.10
2N656A	GE	4.95
2N657	GE	8.25
2N657A	GE	9.00
2N658	TI	1.65
2N659	TI	2.32
2N660	TI	2.78
2N661	TI	4.05
2N662	TI	1.92
2N669	MOT	1.42
2N681	RCA	8.60
2N681A	IR	9.90
2N682,A	TI	9.40
2N683	IR	10.20
2N683,A	TI	10.50
2N684	RCA	12.70
2N685	RCA	14.85
2N686	RCA	18.00
2N687	RCA	20.95
2N688	RCA	26.25
2N696	GE	1.57
2N697	GE	2.06
2N698	TI	2.64
2N699	RCA	2.64
2N700	MOT	7.35
2N700/18	SYL	7.35
2N702	TI	6.75
2N703	SYL	6.75
2N705	MOT	1.80
2N705A	SYL	2.62
2N706	GE	.99
2N706A	GE	1.19
2N706A/46	SYL	2.50
2N706A/51	SYL	6.50
2N706B	MOT	4.05
2N706B/46	SYL	5.00
2N706B/51	SYL	10.05
2N706C	SYL	7.50
2N707	MOT	6.30
2N708	RCA	1.32
2N708/46	SYL	4.20
2N708/51	SYL	8.55
2N709	RCA	2.48
2N709/46	SYL	2.95
2N709/51	SYL	7.50
2N709A	SYL	4.87
2N709A/46	SYL	5.85
2N710	MOT	1.57
2N711	MOT	1.12
2N711A	MOT	1.35
2N711B	MOT	1.42
2N717	TI	1.58
2N718	TI	2.06
2N718A	RCA	2.15
2N719	TI	2.49
2N719A	TI	2.64
2N720	TI	3.75
2N720A	GE	3.30
2N721	HUG	6.06
2N722	MOT	6.75
2N726	TI	4.50
2N727	TI	5.25
2N730	TI	1.58
2N731	TI	2.06
2N734	TI	8.95
2N735	TI	8.95
2N736, A	TI	8.95
2N741	SYL	2.15
2N741A	MOT	3.30
2N743	SYL	6.20
2N743/46	SYL	10.05
2N743/51	SYL	9.80
2N744	MOT	6.75
2N744/46	SYL	7.95
2N744/51	SYL	10.05
2N753	MOT	1.97
2N753/46	SYL	6.50
2N759	GE	7.80
2N760	GE	8.10
2N760A	NAT	14.95
2N768	SPR	5.85
2N769	SPR	6.75
2N779A	SPR	3.50
2N780	TI	10.95
2N781	SYL	8.32
2N782	SYL	2.40
2N784A/46	SYL	4.85
2N784A/51	SYL	10.20
2N796	RCA	2.89
2N797	TI	4.58
2N827	MOT	2.50
2N828	RCA	1.32
2N828A	MOT	3.75
2N829	MOT	4.45
2N834	GE	3.05
2N834/46	SYL	4.80
2N834/51	SYL	9.50
2N835	MOT	2.70
2N835/46	SYL	3.65
2N835/51	SYL	7.50
2N838	MOT	5.40
2N849	TI	6.00
2N859	SPR	9.35
2N861	SPR	6.00
2N863	SPR	4.50
2N865	SPR	8.25
2N869	MOT	5.85
2N909	TRW	3.70
2N910	TRW	8.00
2N911	TI	5.55
2N912	TRW	5.30
2N914	RCA	1.57
2N914/46	SYL	4.50
2N914/51	SYL	9.15
2N915	GE	8.85
2N916	TI	4.90
2N918	TI	10.50
2N929	NAT	5.25
2N930	NAT	8.25
2N930A	NAT	9.00
2N955	RCA	4.31
2N955A	RCA	4.82
2N956	TI	2.50
2N960	RCA	.96
2N960/46	SYL	6.60
2N961	RCA	.91
2N961/46	SYL	5.60
2N962	RCA	.86
2N962/46	SYL	4.15
2N963	RCA	.83
2N964	RCA	.99
2N964/46	SYL	7.30
2N964A	MOT	5.25
2N965	RCA	.94
2N966	RCA	.89
2N967	RCA	.87
2N968	MOT	1.53
2N969	MOT	1.24
2N970	MOT	.89
2N971	MOT	.84
2N972	MOT	1.60
2N973	MOT	1.35
2N974	MOT	.94
2N975	MOT	.89
2N976	SPR	4.35
2N984	SPR	1.00
2N985	SYL	3.75
2N995	MOT	5.85
2N1008	MOT	1.20
2N1008A	MOT	1.87
2N1008B	MOT	3.00
2N1010	RCA	2.89
2N1011	MOT	2.45
2N1021, A	TI	3.55
2N1022, A	TI	4.15
2N1023	RCA	2.72
2N1038	SYL	2.85
2N1039	SYL	3.75
2N1040	SYL	5.70
2N1041	SYL	7.50
2N1042	SYL	4.50
2N1043	SYL	5.85
2N1044	SYL	8.80
2N1045	SYL	11.45
2N1046	TI	8.25
2N1057	GE	5.25
2N1058	SYL	1.75
2N1059	SYL	1.00
2N1066	RCA	1.98
2N1086	GE	.83
2N1086A	GE	1.57
2N1087	GE	1.82
2N1090	RCA	1.11
2N1091	RCA	1.40
2N1092	RCA	10.75
2N1097	GE	.47
2N1098	GE	.42
2N1099	MOT	4.30
2N1100	MOT	5.00
2N1101	SYL	.58
2N1102	SYL	.64
2N1111B	TI	2.08
2N1118	SPR	11.15
2N1120	MOT	8.25
2N1121	GE	1.57
2N1122A	SPR	6.75
2N1131	MOT	5.60
2N1131A	HUG	10.00
2N1132	HUG	6.75
2N1132A	HUG	10.55
2N1141	MOT	10.12
2N1142	MOT	9.45
2N1143	MOT	6.38
2N1144	GE	.68
2N1145	GE	.60
2N1149	TI	8.65
2N1150	TI	8.65
2N1151	TI	8.65
2N1162	MOT	5.40
2N1162A	MOT	6.15
2N1163	MOT	5.40
2N1163A	MOT	6.15
2N1164	MOT	8.25
2N1164A	MOT	9.00
2N1165	MOT	8.25
2N1165A	MOT	9.00
2N1166	MOT	9.75
2N1166A	MOT	10.50
2N1167	MOT	9.75
2N1167A	MOT	10.50
2N1169	RCA	1.98
2N1170	RCA	3.71
2N1175	GE	.99
2N1175A	GE	1.50
2N1177	RCA	.83
2N1178	RCA	.81
2N1179	RCA	.81
2N1180	RCA	.68
2N1183	RCA	1.82
2N1183A	RCA	2.31
2N1183B	RCA	2.89
2N1184	RCA	2.48
2N1184A	RCA	2.81
2N1184B	RCA	4.13
2N1185	MOT	2.75
2N1186	MOT	2.60
2N1187	MOT	2.60
2N1188	MOT	3.15
2N1189	MOT	1.50
2N1190	MOT	1.67
2N1191	MOT	1.12
2N1192	MOT	1.12
2N1193	MOT	1.50
2N1194	MOT	1.87
2N1195	MOT	6.63
2N1198	GE	5.40
2N1204	MOT	6.38
2N1217	GE	2.80
2N1218	SYL	7.50
2N1224	RCA	1.24
2N1225	RCA	1.40
2N1226	RCA	1.49
2N1228	HUG	3.10
2N1229	HUG	3.10
2N1230	HUG	8.65
2N1231	HUG	10.65
2N1238	HUG	3.00
2N1239	HUG	3.50
2N1240	HUG	9.00
2N1251	SYL	.75
2N1252	TI	6.90
2N1254	HUG	7.80
2N1255	HUG	10.27
2N1264/33	SYL	.59
2N1273	TI	.67
2N1274	TI	.69
2N1275	HUG	6.50
2N1276	GE	3.85
2N1277	GE	4.25
2N1278	GE	4.75
2N1279	GE	5.60
2N1292	SYL	10.05
2N1300	RCA	.91
2N1301	RCA	1.07
2N1302	RCA	.50
2N1303	GE	.49
2N1304	RCA	.61
2N1305	GE	.61
2N1306	RCA	.79
2N1307	RCA	.79
2N1308	RCA	1.11
2N1309	RCA	1.07
2N1310	TI	4.51
2N1311	TI	3.24
2N1312	TI	1.78
2N1319	RCA	1.65
2N1321	SYL	10.10
2N1358	RCA	4.59
2N1358A	MOT	8.25
2N1359	MOT	2.15
2N1360	MOT	2.25
2N1362	MOT	4.85
2N1363	MOT	5.10
2N1370	TI	.72
2N1371	TI	1.14
2N1372	TI	.82
2N1373	TI	1.20
2N1374	TI	1.02
2N1375	TI	1.39
2N1376	TI	1.29
2N1377	TI	1.50
2N1378	TI	1.29
2N1379	TI	1.44
2N1380	TI	.67
2N1381	TI	.72
2N1382	TI	.99
2N1383	TI	.92
2N1384	RCA	2.06
2N1395	RCA	1.49
2N1396	RCA	1.65
2N1397	RCA	2.15
2N1404	TI	.58
2N1408	MOT	1.05
2N1409	TRW	6.95
2N1410	TRW	7.65
2N1412	MOT	5.75
2N1413	MOT	.79
2N1414	MOT	.82
2N1415	GE	.99
2N1417	GE	1.40
2N1418	GE	1.70
2N1420	TI	2.50
2N1427	SPR	4.55
2N1431	SYL	1.25
2N1479	RCA	2.64
2N1480	RCA	2.97
2N1481	RCA	3.30
2N1482	RCA	4.13
2N1483	RCA	3.63
2N1484	RCA	4.62
2N1485	RCA	5.45
2N1486	RCA	8.42
2N1487	RCA	5.94
2N1488	RCA	6.00
2N1489	RCA	9.08
2N1490	RCA	10.73
2N1491	RCA	4.13
2N1492	RCA	6.60
2N1493	RCA	9.90
2N1494	MOT	6.80
2N1495	MOT	7.35
2N1496	MOT	7.80
2N1499A	SPR	1.40
2N1499B	SPR	1.55
2N1500	SPR	6.95
2N1500/18	SYL	6.38
2N1507	TI	2.50
2N1510	GE	2.40
2N1511	RCA	8.25
2N1512	RCA	9.90
2N1524	RCA	.40
2N1525	RCA	.43
2N1526	RCA	.43
2N1527	RCA	.46
2N1529	MOT	1.95
2N1529A	MOT	2.60
2N1530	MOT	2.00
2N1530A	MOT	2.70
2N1531	MOT	3.00
2N1531A	MOT	3.80
2N1532	MOT	4.30
2N1532A	MOT	5.10
2N1533	MOT	7.75
2N1534	MOT	1.55
2N1534A	MOT	2.30
2N1535	MOT	1.71
2N1535A	MOT	2.45
2N1536	MOT	1.87
2N1536A	MOT	2.60
2N1537	MOT	4.40
2N1537A	MOT	5.15
2N1538	MOT	9.05
2N1539	TI	1.60
2N1539A	MOT	2.45
2N1540	TI	1.80
2N1540A	MOT	2.60
2N1541	TI	2.85
2N1541A	MOT	3.75
2N1542	TI	3.50
2N1542A	MOT	4.90
2N1543	TI	5.75
2N1544	MOT	2.15
2N1544A	MOT	2.75
2N1545	MOT	2.60
2N1545A	MOT	3.30
2N1546	MOT	3.90
2N1546A	MOT	4.70
2N1547	MOT	5.60
2N1547A	MOT	6.35
2N1548	MOT	10.95
2N1549	MOT	2.55
2N1549A	MOT	3.30
2N1550	MOT	3.05
2N1550A	MOT	3.80
2N1551	MOT	4.85
2N1551A	MOT	5.60
2N1552	MOT	5.55
2N1552A	MOT	6.30
2N1553	MOT	2.70
2N1553A	MOT	3.35
2N1554	MOT	3.20
2N1554A	MOT	3.90
2N1555	MOT	5.20
2N1555A	MOT	5.90
2N1556	MOT	6.35
2N1556A	MOT	7.10
2N1557	MOT	3.20
2N1557A	MOT	3.90
2N1558	MOT	4.80
2N1558A	MOT	5.45
2N1559	MOT	5.90
2N1559A	MOT	6.65
2N1560	MOT	7.85
2N1560A	MOT	8.60
2N1564	TRW	8.00
2N1565	TRW	8.00
2N1566	TRW	8.00
2N1586	TI	4.65
2N1587	TI	4.50
2N1594	TI	10.30
2N1595	MOT	3.05
2N1596	MOT	4.95
2N1597	MOT	9.45
2N1600	IR	5.70
2N1601	IR	6.00
2N1602	IR	10.50
2N1605	TI	.72
2N1605A	RCA	1.50
2N1613	GE	2.15
2N1614	GE	2.50
2N1623	HUG	2.16
2N1631	RCA	.53
2N1632	RCA	.50
2N1634	RCA	1.24
2N1635	RCA	1.32
2N1636	RCA	1.32
2N1637	RCA	.56
2N1637/33	SYL	.90
2N1638	RCA	.50
2N1639	RCA	.53
2N1646	SYL	6.00
2N1671	GE	2.95
2N1671A	GE	3.20
2N1671B	GE	3.55
2N1683	RCA	1.65
2N1694	GE	.99
2N1700	RCA	2.23
2N1701	RCA	2.97
2N1702	RCA	5.53
2N1703	RCA	7.43
2N1705	MOT	.60
2N1706	MOT	.66
2N1707	MOT	.67
2N1708	RCA	3.30
2N1711	GE	2.81
2N1714	TI	6.00
2N1715	TI	8.25
2N1716	TI	7.50
2N1718	TI	6.75
2N1719	TI	9.00
2N1720	TI	8.25
2N1721	TI	12.00
2N1726	SPR	1.15
2N1727	SPR	1.00
2N1728	SPR	1.10
2N1742	SPR	2.93
2N1743	SPR	2.87
2N1744	SPR	2.25
2N1745	SPR	1.80
2N1746	SPR	1.00
2N1748	SPR	1.05
2N1748A	SPR	1.15
2N1752	SPR	.95
2N1754	SPR	1.35
2N1768	RCA	8.25
2N1770	IR	5.55
2N1770A	GE	6.15
2N1771	IR	6.00
2N1771A	GE	7.00
2N1772	IR	7.50
2N1772A	GE	9.00
2N1773	IR	9.75
2N1774	IR	10.40
2N1808	TI	.58
2N1838	TRW	8.50
2N1839	TRW	8.25
2N1840	TRW	7.00
2N1842	MOT	6.75
2N1842A	RCA	7.75
2N1842B	TI	7.75
2N1843	MOT	7.50
2N1843A	RCA	8.50
2N1843B	TI	8.50
2N1844	MOT	8.25
2N1844A	RCA	9.40
2N1884B	TI	9.45
2N1845	MOT	10.10
2N1853	RCA	1.32
2N1853/18	SYL	1.32
2N1854	RCA	1.65
2N1867	SPR	1.15
2N1893	GE	3.30
2N1893A	TRW	10.00
2N1905	RCA	4.13
2N1906	RCA	6.60
2N1907	TI	7.90
2N1924	GE	1.65
2N1925	MOT	1.85
2N1926	MOT	2.20
2N1929	GE	6.15
2N1930	GE	7.65
2N1931	TI	10.65
2N1958	SYL	4.50
2N1958A	SYL	7.85
2N1959	SYL	5.60
2N1959A	SYL	6.60
2N1962	SYL	6.35
2N1963	SYL	7.05
2N1964	SYL	6.37
2N1970	MOT	2.60
2N1972	TRW	8.05
2N1973	GE	8.00
2N1974	TRW	6.70
2N1975	TRW	5.30
2N1983	TRW	7.50
2N1984	TRW	5.10
2N1985	TRW	3.90
2N1986	TRW	4.80
2N1987	TRW	4.20
2N1988	TRW	8.10
2N1989	TRW	5.40
2N1990	TRW	3.90
2N1991	HUG	3.95
2N1994	TI	2.32
2N1995	TI	3.77
2N1996	TI	5.16
2N1997	TI	1.98
2N1998	TI	2.55
2N1999	TI	3.45
2N2000	TI	3.00
2N2001	TI	2.75
2N2017	GE	8.35
2N2042	MOT	1.85
2N2042A	MOT	2.25
2N2043	MOT	2.25
2N2043A	MOT	2.60
2N2048	SPR	1.80
2N2075	MOT	5.75
2N2075A	MOT	6.50
2N2076	MOT	4.00
2N2076A	MOT	4.75
2N2077	MOT	3.20
2N2077A	MOT	3.95
2N2078	MOT	2.08
2N2078A	MOT	2.85
2N2079	MOT	8.00
2N2079A	MOT	8.75
2N2080	MOT	5.65
2N2080A	MOT	6.40
2N2081	MOT	3.50
2N2081A	MOT	4.25
2N2082	MOT	2.65
2N2082A	MOT	3.40
2N2102	RCA	3.30
2N2106	GE	3.60
2N2107	GE	4.10
2N2108	GE	4.25
2N2137	MOT	1.80
2N2137A	MOT	2.55
2N2138	MOT	2.40
2N2138A	MOT	2.85
2N2139	MOT	2.25
2N2139A	MOT	3.00
2N2140	MOT	3.90
2N2140A	MOT	4.65
2N2141	MOT	7.85
2N2141A	MOT	8.60
2N2142	MOT	2.30
2N2142A	MOT	3.05
2N2143	MOT	2.45
2N2143A	MOT	3.20
2N2144	MOT	3.75
2N2144A	MOT	4.50
2N2145	MOT	4.50
2N2145A	MOT	5.25
2N2146	MOT	8.60
2N2146A	MOT	9.35
2N2147	RCA	2.06
2N2148	RCA	1.24
2N2152	MOT	3.60
2N2152A	MOT	4.35
2N2153	MOT	5.55
2N2153A	MOT	6.30
2N2154	MOT	10.10
2N2154A	MOT	10.85
2N2156	MOT	4.10
2N2156A	MOT	4.85
2N2157	MOT	6.35
2N2157A	MOT	7.10
2N2158	MOT	10.85
2N2160	GE	1.49
2N2171	MOT	1.27
2N2188	TI	1.27

SEMICONDUCTOR DIRECTORY

Type	Mfr.	EA.
2N2189	TI	1.64
2N2190	TI	1.47
2N2191	TI	1.86
2N2192	GE	5.40
2N2192A	GE	5.67
2N2193	GE	3.48
2N2193A	GE	3.66
2N2194	GE	2.20
2N2194A	GE	2.45
2N2195	GE	1.70
2N2195A	GE	1.90
2N2196	GE	7.00
2N2197	GE	7.70
2N2205	RCA	1.24
2N2206	RCA	3.71
2N2217	SPR	3.35
2N2218	SPR	3.35
2N2218A	MOT	5.85
2N2219	SPR	4.35
2N2219A	MOT	6.75
2N2220	SPR	3.35
2N2221	SPR	3.35
2N2221A	MOT	5.85
2N2222	SPR	3.95
2N2222A	MOT	6.75
2N2239	GE	3.75
2N2243	GE	5.48
2N2243A	GE	5.75
2N2256	MOT	1.12
2N2257	MOT	1.27
2N2258	MOT	1.12
2N2259	MOT	1.27
2N2270	RCA	1.82
2N2273	RCA	2.31
2N2274	SPR	9.00
2N2280	SPR	4.50
2N2322	GE	3.15
2N2322A	GE	3.75
2N2323	GE	3.45
2N2323A	GE	4.15
2N2324	GE	5.65
2N2324A	GE	6.75
2N2325	GE	8.10
2N2325A	GE	9.75
2N2326	GE	10.50
2N2338	RCA	8.66
2N2339	RCA	4.95
2N2344	GE	8.10
2N2345	GE	10.00
2N2350	GE	6.15
2N2350A	GE	6.42
2N2351	GE	4.23
2N2351A	GE	4.41
2N2352	GE	2.95
2N2352A	GE	3.20
2N2353	GE	2.45
2N2353A	GE	2.65
2N2354	SYL	.92
2N2360	SPR	2.40
2N2361	SPR	2.25
2N2362	SPR	2.10
2N2364	GE	6.23
2N2364A	GE	6.50
2N2368	SYL	4.45
2N2369	MOT	4.80
2N2381	MOT	7.50
2N2382	MOT	8.55
2N2386	TI	7.20
2N2397	SYL	10.00
2N2398	SPR	3.45
2N2399	SPR	3.35
2N2400	SPR	1.25
2N2401	SPR	1.45
2N2402	SPR	2.25
2N2405	RCA	4.13
2N2410	TI	4.50
2N2411	TI	6.00
2N2417	GE	7.10
2N2417A	GE	7.65

Type	Mfr.	EA.
2N2417B	GE	9.15
2N2418	GE	7.80
2N2418B	GE	9.85
2N2419	GE	8.40
2N2419A	GE	8.90
2N2419B	GE	10.40
2N2420	GE	9.80
2N2455	SYL	4.50
2N2456	SYL	10.00
2N2475	SYL	5.25
2N2476	RCA	2.89
2N2477	RCA	3.30
2N2481	MOT	3.90
2N2482	RCA	6.19
2N2483	NAT	7.50
2N2484	NAT	10.05
2N2490	MOT	3.30
2N2491	MOT	3.30
2N2492	MOT	4.65
2N2493	MOT	6.80
2N2501	MOT	4.70
2N2509	NAT	6.00
2N2510	NAT	9.20
2N2526	MOT	7.10
2N2527	MOT	9.30
2N2537	MOT	4.95
2N2538	MOT	5.85
2N2539	MOT	4.95
2N2540	MOT	5.85
2N2552	TI	3.00
2N2553	TI	3.90
2N2554	TI	5.85
2N2555	TI	9.15
2N2556	TI	3.05
2N2557	TI	3.95
2N2558	TI	5.90
2N2559	TI	9.20
2N2560	TI	4.45
2N2561	TI	5.80
2N2562	TI	8.70
2N2564	TI	4.30
2N2565	TI	5.65
2N2566	TI	8.55
2N2573	MOT	7.70
2N2574	MOT	8.40
2N2575	MOT	9.45
2N2613	RCA	.54
2N2614	RCA	.50
2N2618	SYL	5.40
2N2618/46	SYL	8.25
2N2635	MOT	1.75
2N2646	GE	1.35
2N2647	GE	3.55
2N2656	TRW	4.00
2N2659	TI	1.80
2N2660	TI	2.35
2N2661	TI	2.85
2N2662	TI	1.95
2N2663	TI	2.50
2N2664	TI	3.00
2N2665	TI	2.40
2N2666	TI	3.10
2N2667	TI	3.75
2N2668	TI	2.55
2N2669	TI	3.25
2N2670	TI	3.90
2N2673	GE	4.95
2N2674	GE	4.95
2N2675	GE	5.25
2N2676	GE	6.30
2N2677	GE	5.15
2N2678	GE	5.80
2N2693	TI	7.75
2N2694	TI	5.25
2N2696	TI	7.50
2N2708	RCA	7.84
2N2711	GE	1.13
2N2712	GE	1.20
2N2713	GE	1.50

Type	Mfr.	EA.
2N2714	GE	1.65
2N2715	GE	1.13
2N2716	GE	1.20
2N2719	SYL	3.75
2N2787	SPR	5.80
2N2788	SPR	5.80
2N2789	SPR	6.65
2N2790	SPR	5.80
2N2791	SPR	5.80
2N2792	SPR	6.65
2N2795	SPR	4.15
2N2832	MOT	9.00
2N2840	GE	6.00
2N2860	SYL	2.25
2N2861	TI	8.50
2N2862	TI	6.00
2N2863	TI	9.00
2N2864	TI	6.00
2N2865	TI	10.50
2N2868	GE	2.10
2N2869/301	RCA	1.52
2N2870	RCA	3.71
2N2873	RCA	2.89
2N2895	RCA	3.30
2N2896	RCA	4.95
2N2897	RCA	2.06
2N2899	RCA	7.43
2N2898	RCA	5.36
2N2900	RCA	2.64
2N2904	MOT	7.50
2N2904A	MOT	10.50
2N2905	MOT	9.00
2N2906	MOT	7.20
2N2906A	MOT	10.05
2N2907	MOT	8.70
2N2909	GE	2.85
2N2923	GE	.98
2N2924	GE	1.05
2N2925	GE	1.11
2N2928	SYL	4.55
2N2938	RCA	2.15
2N2942	SPR	2.00
2N2951	MOT	4.50
2N2952	MOT	4.95
2N2953	RCA	.50
2N2955	MOT	4.40
2N2956	MOT	5.30
2N2957	MOT	6.30
2N2958	MOT	2.25
2N2959	MOT	2.70
2N2987	TI	8.25
2N2989	TI	10.20
2N2991	TI	9.00
2N2993	TI	10.90
2N2996	TI	3.24
2N2997	TI	6.77
2N3005	TI	10.57
2N3009	TI	8.25
2N3010	TI	8.25
2N3011	TI	8.25
2N3013	TI	8.75
2N3014	TI	4.50
2N3015	TI	3.50
2N3036	TI	5.55
2N3053	RCA	1.24
2N3054	RCA	2.48
2N3055	RCA	4.95
2N3115	MOT	1.95
2N3116	MOT	2.40
2N3118	RCA	4.95
2N3119	RCA	5.36
2N3128	NAT	6.75
2N3129	NAT	9.00
2N3130	NAT	8.25
2N3131	NAT	9.00
2N3133	MOT	4.95
2N3134	MOT	5.85
2N3135	MOT	4.95
2N3136	MOT	5.85

Type	Mfr.	EA.
2N3146	TI	4.60
2N3147	TI	5.65
2N3227	MOT	4.80
2N3228	RCA	1.62
2N3248	MOT	3.90
2N3249	MOT	4.65
2N3250	MOT	3.90
2N3251	MOT	4.65
2N3252	MOT	9.75
2N3253	MOT	9.75
2N3279	MOT	7.50
2N3280	MOT	6.75
2N3281	MOT	4.50
2N3282	MOT	4.05
2N3283	MOT	2.10
2N3284	MOT	2.02
2N3285	MOT	1.80
2N3286	MOT	1.65
2N3287	MOT	7.50
2N3288	MOT	6.75
2N3289	MOT	6.00
2N3290	MOT	5.25
2N3291	MOT	2.25
2N3292	MOT	2.10
2N3293	MOT	1.80
2N3294	MOT	1.65
2N3295	MOT	6.00
2N3298	MOT	2.40
2N3307	MOT	10.50
2N3308	MOT	9.00
2N3323	MOT	1.05
2N3324	MOT	.97
2N3325	MOT	.90
2N3391	GE	1.20
2N3391A	GE	1.32
2N3392	GE	1.16
2N3393	GE	1.12
2N3394	GE	1.08
2N3395	GE	1.16
2N3396	GE	1.12
2N3397	GE	1.04
2N3402	GE	1.52
2N3403	GE	1.60
2N3404	GE	2.00
2N3405	GE	2.08
2N3439	RCA	6.60
2N3440	RCA	3.30
3N34	TI	5.00
3N37	GE	9.20
3N58	GE	3.40
3N59	GE	3.75
3N60	GE	4.15
3N62	NAT	11.95
3N68	NAT	12.55
3N79	NAT	12.50
3N81	GE	3.68
3N82	GE	4.95
3N83	GE	2.13
3N84	GE	1.98
3N85	GE	3.30
2E4	IR	.70
2F4	ST	.50
3TCRA	ST	2.80
3TCRB	ST	2.90
3TCRC	ST	3.00
3TCRD	ST	3.05
3TCRE	ST	3.25
3TCRF	ST	4.05
3TCRH	ST	4.65
5A2	IR	.50
5TCRA	ST	4.00
5TCRB	ST	4.70
5TCRC	ST	4.85
5TCRD	ST	4.95
5TCRE	ST	5.10
5TCRF	ST	5.95
6GC1	GE	.54
6GD1	GE	.54
10B1	IR	.50

Type	Mfr.	EA.
10B4	IR	.80
10D3	IR	.55
10D5	IR	.78
20S3N	ST	5.46
50M	ST	1.05
60M	ST	1.35
651CO thru		
651C9	TI	4.85
652CO	TI	4.85
652C7	TI	4.85
A7E	GE	1.95
A10A	GE	.66
A10B	GE	.69
A10C	GE	.77
A10D	GE	.89
A10E	GE	.98
A40D	GE	2.90
C15B	GE	6.30
C15D	GE	10.30
C20B	GE	3.08
C22B	GE	2.63
C37B	GE	9.75
CO-1	TI	1.00
F-8	ST	1.00
G129	TI	1.30
G130	TI	1.30
G222	TI	.75
GE-504	GE	1.00
GEM-100	GE	1.50
GE-X1	GE	6.30
GE-X2	GE	3.50
GE-X3	GE	6.00
GE-X4	GE	1.95
GE-X5	GE	4.45
GE-X6	GE	1.75
GE-X7	GE	1.00
GE-X8	GE	.85
GE-X9	GE	.85
GE-X10	GE	4.95
GE-X11	GE	2.25
G01	TI	.85
G02	TI	.60
H11	TI	4.00
H35	TI	5.00
H38	TI	4.00
HD2155	HUG	.85
HD5001	HUG	2.55
HD5003	HUG	1.90
HR1D	HUG	4.50
L6U	GE	7.50
LS-400	TI	13.50
M-150	ST	.66
MC352F	MOT	7.55
MC352G	MOT	4.55
MC353F	MOT	8.95
MC353G	MOT	5.95
MC354F	MOT	5.45
MC354G	MOT	2.45
MC355F	MOT	5.80
MC355G	MOT	2.80
MC356F	MOT	6.55
MC356G	MOT	3.55
MC357F	MOT	6.55
MC357G	MOT	3.55
MC358F	MOT	2.50
MC358G	MOT	9.50
MC359F	MOT	6.70
MC359G	MOT	3.70
MC360F	MOT	6.70
MC360G	MOT	3.70
MC361F	MOT	6.70
MC361G	MOT	3.70
MCR1304-1	MOT	1.50
MCR1304-2	MOT	1.65
MCR1304-3	MOT	1.80
MCR1304-4	MOT	2.00
MCR1304-5	MOT	3.15
MCR1304-6	MOT	4.50
MCR1305-1	MOT	1.65

Type	Mfr.	EA.
MCR1305-2	MOT	1.80
MCR1305-3	MOT	1.95
MCR1305-4	MOT	2.15
MCR1305-5	MOT	3.30
MCR1305-6	MOT	4.65
MCR1308-1	MOT	3.30
MCR1308-2	MOT	3.60
MCR1308-3	MOT	4.30
MCR1308-4	MOT	5.00
MCR1308-5	MOT	7.20
MCR1308-6	MOT	10.15
MCR1604-1	MOT	1.62
MCR1604-2	MOT	1.77
MCR1604-3	MOT	1.92
MCR1604-4	MOT	2.12
MCR1604-5	MOT	3.27
MCR1604-6	MOT	4.62
MCR1605-1	MOT	1.62
MCR1605-2	MOT	1.77
MCR1605-3	MOT	1.92
MCR1605-4	MOT	2.12
MCR1605-5	MOT	3.27
MCR1605-6	MOT	4.62
MK-10	MOT	.23
MK-15	MOT	.23
MK-20	MOT	.35
MM577	MOT	7.50
MR322,R	MOT	.66
MR323,R	MOT	.72
MR324,R	MOT	1.08
MR325,R	MOT	1.27
MR326,R	MOT	1.48
MS-10	MOT	2.10
MS-15	MOT	2.10
OMC28	OHM	.45
OMC550	OHM	.25
OMC688	OHM	.63
TI-321	TI	1.65
TI-480	TI	1.55
TI-481	TI	1.90
TI-482	TI	2.15
TI-483	TI	2.40
TI-484	TI	2.95
TI-485	TI	3.25
TI-486	TI	4.90
TI-487	TI	5.60
TI-492	TI	1.55
TI-493	TI	1.90
TI-494	TI	2.50
TI-495	TI	3.00
TI-496*	TI	1.75
U-212	TI	.76
U-213	TI	.96
U-214	TI	1.49
V7	TRW	3.05
V7E	TRW	3.05
V10	TRW	3.05
V10E	TRW	3.05
V12	TRW	3.05
V12E	TRW	3.05
V15	TRW	3.05
V15E	TRW	3.05
V20	TRW	2.75
V20E	TRW	3.05
V27	TRW	2.75
V27E	TRW	3.05
V33	TRW	2.75
V33E	TRW	3.05
V39	TRW	2.75
V39E	TRW	3.05
V47	TRW	2.75
V47E	TRW	3.05
V56	TRW	2.75
V56E	TRW	3.05
V68	TRW	3.05
V68E	TRW	3.05
V82	TRW	3.05
V82E	TRW	3.05
V100	TRW	3.05

NEW SEMICONDUCTOR BOOKS FOR TECHNICIANS, ENGINEERS, AND HOBBYISTS

RCA TRANSISTOR MANUAL

Easy-to-read text and reference guide for anyone who works or experiments with semi-conductor devices and circuits. Covers basic semiconductor theory and application, plus installation, selection and technical data on over 400 RCA transistors, silicon rectifiers and diodes. Clearly illustrated with graphs, charts, outlines and diagrams, as well as schematics of many typical circuit applications. With index. 304 pages. 5⅜x8⅜". Shpg. wt., 8 oz.

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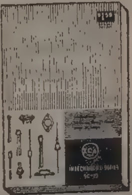

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Howard W. Sams. Newly revised guide to substitutes for all American and foreign general-purpose transistors. Contains list of 4762 transistors and their direct substitutes with: Basing diagrams; Polarity identification; Cross-reference directory for germanium and silicon diodes. Text explains how, when and why you can substitute transistors, and what precautions to take when using substitute types. 144 pages. 5½x8½". Shpg. wt., 5 oz.

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New sixth edition explains basic transistor theory, construction techniques, specifications, characteristics, measurements and reliability factors. Also discusses transistor circuits for applications in hi-fi and audio amplifiers, radios, and tuners, power supplies and inverters. Also unijunction transistor, computer, logic and experimental circuits. Photos, diagrams, tables, graphs, schematics. With index. 455 pages. 5½x8½". 1¼ lbs.

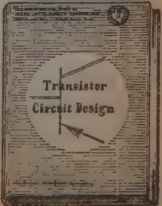
37 K 001............................2.00

TRANSISTOR MANUAL
APPLICATIONS CIRCUITS SPECIFICATIONS

TRANSISTOR CIRCUIT DESIGN

By Engineering Staff of Texas Instruments, Inc. Comprehensive reference guide to all available transistors. Covers every problem commonly facing circuit designers. Four parts deal with transistor fundamentals, DC and low frequency designs, high frequency designs and switching-mode designs. Special appendix explains EFT theory and application. Illustrated with graphs, charts, diagrams and schematics. 523 pages. Clothbound. 7¼x10⅛". Wt., 3 lbs.

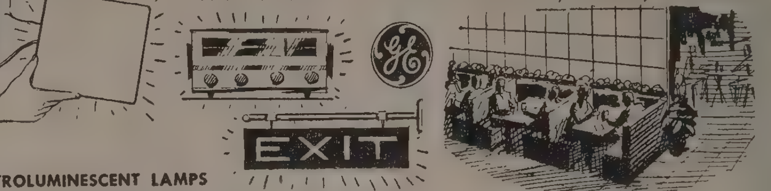
37 K 689............................15.00



Lamps, Photocells, Hall-Effect Kit

"PANELESCENT"
METAL AND PLASTIC
LAMPS

"SOFT" LAMPS FOR INSTRUMENTS, SIGNS, NOVELTY



SYLVANIA ELECTROLUMINESCENT LAMPS

No tubes or bulbs. Electrical coating provides diffused, glareless green light. Operate cold. Exceptionally rugged, lightweight and compact. Unaffected by temperature and humidity extremes. May be shaped or curved to fit. Plastic units offer greater flexibility—1/32" thick; 1/8" unlighted perimeter. Metal units are 1/8" thick; 1/16" unlighted. U.L. Listed. For prototype uses only—cannot be cut or drilled. With lead wire, clip assembly. For 110-120 v., 60 cycle AC. Av. shpg. wt., 3/4 lb.

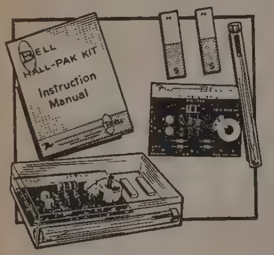
Stock No.	Type	Desc.	Size (In.)	EACH
8 E 672	PM-006	Metal	2x2½	1.38
8 E 673	PM-012	Metal	2x6	1.65
8 E 674	PM-016	Metal	4x4	2.20
8 E 675	PM-024	Metal	4x6	2.97
8 E 676	PM-036	Metal	6x6	3.74
8 E 677	PM-072	Metal	6x12	7.79
8 E 678	PM-144	Metal	12x12	13.30
9 E 246	PPF-002	Plastic	1x2	2.00
9 E 247	PPF-004	Plastic	2x2	3.50
9 E 248	PPF-016	Plastic	4x4	4.50

G. E. ELECTROLUMINESCENT PLASTIC LAMPS

Area light-source of relatively low brightness for decorative and novelty uses where subdued light is preferred: "rec" rooms, lounges, or as night light. Flexible. Less than 1/32" thick. Weigh only 3 oz. per sq. ft. Cannot crack or chip. Overlays may be used for interesting lighting effects. For operation from 120 v., 60 cycle AC. Shpg. wt., 1/2 lb.

Stock No.	Size (In.)	Color	EACH	Stock No.	Size (In.)	Color	EACH
9 E 249	2x2	Green	1.50	9 E 257	8x10	Grn.	9.00
9 E 250	2x2	Blue		9 E 258	8x10	Blue	
9 E 251	2x2	Yel.		9 E 259	8x10	Yel.	
9 E 252	2x2	Wht.		9 E 260	8x10	Wht.	
9 E 253	4x5	Green	4.50	9 E 261	11¾x11¾	Grn.	13.00
9 E 254	4x5	Blue		9 E 262	11¾x11¾	Blue	
9 E 255	4x5	Yel.		9 E 263	11¾x11¾	Yel.	
9 E 256	4x5	Wht.		9 E 264	11¾x11¾	Wht.	

F. W. BELL "HALL PAK" KIT



- Keep Up with Hall Effect
- Research, Experiment and Demonstration Kit
- Includes Hall Effect Device, Amplifier, Circuit Board, Magnet, Instruction Book

Complete equipment for study, experiments and demonstration of the Hall effect. Suitable for home, industry, laboratory or classroom. The development of a voltage potential between the two edges of a strip of metal in which an electric current is flowing longitudinally, is a phenomenon that may prove to be the key to many difficult magnetic-field applications. Research is continuing in this field at the present time. The "Hall Pak" kit enables you to examine the Hall effect at an opportune time.

Kit includes: Hall-effect device; circuit board for easy hookup and application—contains balancing network and DC transistorized amplifier (voltage gain of 50); magnet to provide stable DC field; instruction booklet that explains the Hall effect in detail, gives instructions for testing and demonstrating and illustrates many practical applications that are easily accomplished. Shpg. wt., 1 lb.

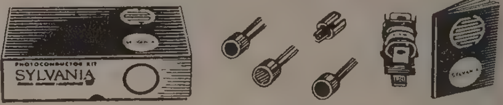
7 F 659 .... 19.95

IR "SOLARPACK" SILICON POWER SUPPLIES

Convert sunlight into electricity. Anodized-aluminum casting; cells in weather- and heat-resistant epoxy. Adjustable exposure angle. Two terminals connect to cells; one to negative terminal through blocking diode for charging (prevents battery discharge when cells are not illuminated). 4E60A, 4F120A for charging 2 NiCd cells in series, or 1 lead-acid cell; 8E30A, 8F60A for 4 or 5 NiCd cells, or 3 lead-acids; 16F30A for all 12-v. batteries. With mtg. hardware. Shpg. wt., 1 lb.

Stock No.	Type SP-	Output		Size	EACH 1-9
		V	ma		
9 E 453	4E60A	3.5-4	60	5x2x½"	25.30
9 E 454	4F120A	3.5-4	120	5x4x½"	51.00
9 E 455	8E30A	7.5-8	30	5x2x½"	27.00
9 E 456	8F60A	7.5-8	60	5x4x½"	53.40
9 E 457	16F30A	15-16	30	5x4x½"	53.40

SYLVANIA PCK-10 PHOTOCONDUCTOR KIT



With this kit and just a few parts most servicemen have on hand, you can construct circuits for a gameroom target shoot, remote switch, lightmeter, model RR crossing guard, many others. Includes: 3 Sylvania T-4 CdS photoconductors; Sigma AC-DC relay; mounting bracket; 22K 1-watt resistor with ±10% tolerance; plus 52-page "Circuits Booklet" that fully details 19 circuit uses. Photoconductors have glass envelopes hermetically sealed to prevent deterioration from moisture or harmful gases. 1/2" dia. x 1/2" length, excluding leads. Sigma 97638 relay has normally closed and normally open contacts that handle up to 2 amps (resistive load). DC coil resistance is 500 ohms. Shpg. wt., 1 lb.

8 F 820 .... 9.95

CLAIREX DESIGNER'S PHOTOCELL KIT

DESIGNERS KIT
PHOTOCONDUCTIVE CELLS
BY
CLAIREX
C

Five photocells: CL505, closely matches human-eye response; CL603, high speed; CL704L, sensitive—66-ohm resistance @ 100 FC; CL707, general beam breaking; CL902, for linear resistive vs. light-level response (smallest hermetically sealed unit). *Peak spectral response in angstroms. †500 mw supplied with heatsink. Shpg. wt., 1½ lbs.

Stock No.	Type CL—	Desc.	Size (In.)	*	Ohms @		Max. V.	Diss. (mw)	EACH
					2 FC	Dark.			
9 E 265	505	CdS	.5x.5	5500	9K	0.6	250	250-500†	10.00
	603A	CdSe	.25x.5	7350	75K	500	300	75	
	704L	CdSe	.36x.18	6900	0.6K	0.4	60	125	
	707	CdS	.36x.18	6150	133K	100	300	125	
	902	CdS	.21x.15	5150	1 meg	70	250	50	

PHOTOVOLTAIC CELLS—SILICON N ON P TYPES

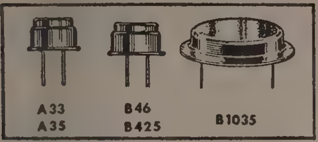
Stock No.	Type No.	Wt., Oz.	EACH
8 E 841	SL2205	6	10.30
8 E 842	SL2206	6	14.30

SPECIFICATIONS Wavelength of max. resp.: 8700 ±750 angstroms

Mfr's Type	Max. Dimensions		Sensitive Area			Characteristics @ 25°C	
	Length In.	Width In.	Length In.	Width In.	Area Sq. In.	Minimum ma	Min. Power Output mw
SL2205	0.399	0.795	0.354	0.786	0.278	48	17.9
SL2206	0.791	0.791	0.746	0.786	0.586	101.5	37.8

Light and Humidity-Sensitive Devices

GENERAL ELECTRIC CADMIUM-SULFIDE PHOTOCELLS

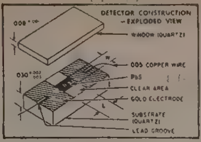


- Moisture-Controlled, Hermetically Sealed
- One-Million Hour Life Expectancy
- For Burglar Alarm, Annunciator, Etc.

Extremely reliable cadmium sulfide photoconductive cells. Moisture controlled and hermetically sealed, pass exacting operating-life tests of over one million cell-hours. Find a variety of applications in annunciators, burglar alarms, camera aperture control systems, counters, card sorters, etc. All are end-illuminated types. Operate in any position. Offer peak spectral response of 6100 Angstrom units except Types A33 and A35, 5500 Angstrom units. Ambient temperature range for all types is —40° to +65° C. Max. current is 10 ma except Type B425, 20 ma; Type B1035, 50 ma. All have glass and metal envelopes with radial leads. 4 oz.

Stock No.	Type No.	Rated V.	Max. P (mw)	EACH
7 E 586	A33	30	30	1.35
7 E 587	A35	50	50	1.35
8 E 932	B46	60	250	1.45
7 E 588	B425	250	250	1.45
7 E 591	B1035	350	300	1.70

IR LEAD-SULFIDE INFRARED PHOTOCELLS



- Sensitive
- Wide Response
- Non-Polarizing

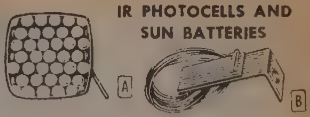
Low-cost lead-sulfide infrared detectors in the form of a flat plate on a quartz substrate. Sealed against humidity. Features include high sensitivity, short time-constant, wide wavelength response, low noise and low impedance. Wide ambient temperature range. Non-polarizing even after prolonged voltage exposure. Optical filter types minimize interference from visible background radiation. 4 oz.

SENSITIVITY TABLE

Type No.	Sensitive Area (In.)	Dark Resistance
B3-SA19	.020 x .020	1-4.5 megs
B3-SA19MF	Above, 3″ d. opt. Infratron filt.	
T3-SA20	.060 x .060	.05 meg max
T3-SA20MF	Above, 3″ d. opt. Infratron filt.	
B3-SA22	.200 x .200	.2-2 megs

Stock No.	Type No.	Overall Size (In.)	EACH
7 E 627	B3-SA19	.125 x .250	4.25
7 E 628	B3-SA19MF	w/filter	5.75
7 E 629	T3-SA20	.125 x .250	5.25
7 E 630	T3-SA20MF	w/filter	6.75
7 E 631	B3-SA22	.375 x .375	5.75

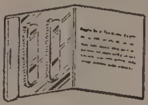
IR PHOTOCELLS AND SUN BATTERIES



Power radios, small motors, relays, etc. Selenium cells (B2M, B3M) have a spectral response similar to the human eye, are used in light meters. Silicon cells (S1M, S3M, S5M) have higher light-conversion efficiency, are used as solar batteries. B2M is ½x¾″; others, 1⅛x1⅛x$\frac{3}{16}$″. Mounted in molded plastic cases, except B2M, which has mounting bracket. With 24-page Experimenters handbook. Av. wt., 3 oz.

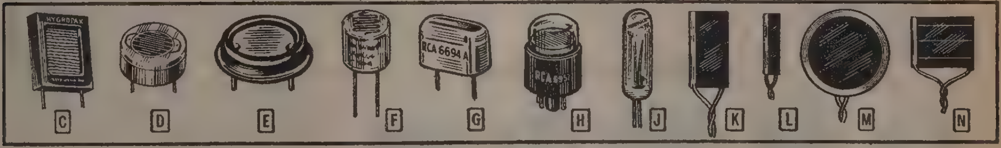
Stock No.	Mfr's Type	Fig.	Output		EACH
			Volts	Ma	
7 E 876	B2M	B	.33-.4	2	1.50
7 E 877	B3M	A	.33-.4	1.5-2.5	1.75
7 E 879	S1M	A	.3-.45	10-16	2.25
6 E 494	S3M	A	.6-.85	10-16	3.95
6 E 495	S5M	A	.6-.85	18-25	4.95

DOW HEAT-SINK COMPOUND



Two 1-cc. portions of 340 silicone compound. This material, filled with heat conductive metal oxides, provides efficient heat transfer to main heat-sink. Withstands to 200°C. Shpg. wt., 3 oz.

8 E 818....................................Each 25¢



C HYGROPAK HUMIDITY SENSORS

Range: 30% to 100% relative humidity. 1x1⅛x¼″. ¾″ pin spacing. 4 oz.

Stock No.	Type	Description	EACH
7 E 746	HA	Under 100K to over 100 megs	3.00
7 E 747	HA-26	50 ohms to 100 ohms	3.00
7 E 748		Socket for HA or HA-26	.30

D POLARIS MAJ-I" PHOTOCELL

Cds cells. 200 ohms @ 92.9 ft-candles. 10 meg in total darkness. 0.2 meg/sec max. change. Max. diss., 0.2 W @ 40°C. Max. v., 110 AC (peak) or DC.

Stock No.	Type	Ambient °C.	EACH
7 E 565	LDR-C1	− 20 to + 60	1.00
8 E 931	LDR-C2	− 40 to + 80	

RCA PHOTOCONDUCTIVE CELLS

Light-controlled variable resistors. All have S-15 spectral responses, except 6694A, S-12. "µa/fc" is illum. sens. Av. wt., 3 oz.

Stock No.	Type No.	Fig.	Max. Ma	µa/fc	Diss. (W)	EACH
7 E 435	4403	E	50	11,500	.3	1.50
7 E 436	4404	E	50	3700	.3	1.45
7 E 437	4408	E	50	2000	.5	1.85
7 E 438	4423	F	20	500	.2	1.65
7 E 439	4425	F	50	6000	.2	1.65
7 E 440	4442	E	50	3700	.3	2.15
7 E 441	6694A	G	.....	4	.03	5.40
7 E 442	6957	H	50	4000	.5	3.20
7 E 443	7163	E	50	2000	.3	1.65
7 E 444	7412	J	1	300	.05	2.10
7 E 445	7536	J	1	300	.05	2.10

SOLAR SYSTEMS SILICON CELLS

Response, 20 µsec max. * Fig. Wt., 2 oz.

Stock No.	SS Type	*	Output		Size	EA.
			Ma	Mw		
7 E 566	10-4L	K	18.0	7.2	.8x.4″	1.95
7 E 567	10-6L	K	27.0	10.8	.8x.4″	2.40
7 E 568	10-8L	K	36.0	14.4	.8x.4″	3.60
7 E 569	11-L	K	12.0	4.8	.4x.4″	1.95
7 E 570	12-L	K	5.0	2.0	.4x.2″	1.50
7 E 571	20-L	L	12.0	4.8	.8x.2″	3.50
7 E 572	21-L	L	5.0	2.0	.4x.2″	2.20
7 E 573	22-L	L	2.5	1.0	.2x.2″	1.40
7 E 574	23-L	L	1.3	0.52	.2x.1″	1.00
7 E 575	30-L	M	60.0	24.0	1.125″ d.	6.75
7 E 576	31-L	M	15.0	6.0	0.281″ d.	2.25
7 E 577	40-L	N	60.0	24.0	.8x.8″	9.50

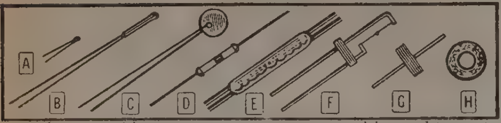
CLAIREX PHOTOCONDUCTIVE CELLS

Power: Series 400 and 600, 75 mw; Series 700, 125 mw; Series 900, 50 mw; Series 500, 500/250 mw (with/without heat sink); Series 800, 2000/500 mw. †TO-5 case. *TO-18. ‡Sim. to J. 3 oz.
EACH..3.00

Stock No.	CL Type	Fig.	Peak (A)	Max. V.	Light Ohms
7 E 448	402S	J	5150	300	1M
7 E 449	403S	J	7350	300	133K
7 E 450	403A	J	7350	300	75K
7 E 451	403AS	J	7350	300	75K
7 E 452	403ASL	J	7350	60	3.5K
7 E 453	404S	J	6900	300	30K
7 E 454	404SL	J	6900	60	1.5K
7 E 455	407S	J	6150	300	133K
7 E 456	504	F	6900	250	1.5K
7 E 457	504L	F	6900	60	0.25K
7 E 458	505	F	5500	250	9K
7 E 459	505L	F	5500	60	1.5K
7 E 460	602	‡	5150	300	1M
7 E 461	603	‡	7350	300	133K
7 E 462	603A	‡	7350	300	75K
7 E 463	603AL	‡	7350	60	3.5K
7 E 464	604	‡	6900	300	30K
7 E 465	604L	‡	6900	60	1.5K
7 E 466	605*	‡	5500	300	166K
7 E 467	605L*	‡	5500	60	7.5K
7 E 468	607*	‡	6150	300	133K
7 E 469	503	F	7350	250	7.2K
7 E 470	507	F	6150	250	7.2K
7 E 471	702	†	5150	300	1M
7 E 472	702L	†	5150	60	20K
7 E 473	703	†	7350	300	133K
7 E 474	703L	†	7350	60	2.7K
7 E 475	704	†	6900	300	30K
7 E 476	704L	†	6900	60	.6K
7 E 477	705	†	5500	300	166K
7 E 478	705L	†	5500	60	3.3K
7 E 479	707	†	6150	300	133K
7 E 480	707L	†	6150	60	2.7K
7 E 481	802	E	5150	300	10K
7 E 482	803	E	7350	300	1.4K
7 E 483	804	E	6900	300	.3K
7 E 484	805	E	5500	300	1.7K
7 E 485	807	E	6150	300	1.4K
7 E 486	902	*	5150	250	1M
7 E 487	902N	*	5150	75	500K
7 E 488	903	*	7350	250	133K
7 E 489	903N	*	7350	75	66K
7 E 490	904	*	6900	250	30K
7 E 491	904N	*	6900	75	15K
7 E 492	905	*	5500	250	166K
7 E 493	905N	*	5500	75	83K
7 E 494	907	*	6150	250	133K
7 E 495	907N	*	6150	75	66K

Thermistors, Heat Sinks, Rectifier Stacks

THERMISTORS By FENWAL ELECTRONICS, INC.



Use glass-coated beads where fast response, precision and temp. to 600° F required. Medium-small glass probes similar, but more rugged, mount more easily. Discs, for medium power and time response, to 125° C. Rods and washers for high dissipation, to 150° C. Av. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Style	Ohms @ 25°C	Res. Ratio 0°C: 50°C	EACH
8 E 621	GD25J1	A	Bead	500	5.1:1	3.24
8 E 622	GB31J1	A	Bead	1000	7.3:1	2.70
9 E 911	GB32J2	A	Bead	2000	7.3:1	2.70
8 E 623	GB35J1	A	Bead	5000	7.3:1	3.24
8 E 624	GB41J1	A	Bead	10K	7.5:1	3.24
8 E 625	GA45J1	A	Bead	50K	10.3:1	2.67
9 E 909	GA51J1	A	Bead	100K	10.3:1	2.70
7 E 113	GA52J2	A	Bead	200K	10.9:1	2.70
8 E 626	GA55J1	A	Bead	500K	11.8:1	3.24
7 E 114	GA61J1	A	Bead	1000K	14.0:1	3.78
8 E 627	GB31P2	B	Probe	1000	7.3:1	2.00
8 E 628	GB32P2	B	Probe	2000	7.3:1	2.00
9 E 912	GB32P8	B	Probe	2000	7.3:1	2.35
8 E 629	GB34P2	B	Probe	4000	7.3:1	2.00
8 E 630	GB41P2	B	Probe	10K	7.5:1	2.40
8 E 631	GB42P2	B	Probe	20K	7.5:1	2.40
7 E 116	GA45P2	B	Probe	50K	10.3:1	2.20
7 E 117	GA45P8	B	Probe	50K	10.3:1	2.59
9 E 910	GA51P2	B	Probe	100K	10.3:1	2.00
9 E 967	GA51P8	B	Probe	100K	10.3:1	2.35
8 E 632	GA52P2	B	Probe	200K	10.9:1	2.00
8 E 633	GA55P2	B	Probe	500K	11.8:1	2.40
8 E 634	GA61P2	B	Probe	1000K	14.0:1	2.80
8 E 635	JB25J1	C	Disc	500	6.9:1	1.00
8 E 636	JB31J1	C	Disc	1000	6.9:1	1.00
8 E 637	JA33J1	C	Disc	3000	9.1:1	1.00
9 E 975	JA35J1	C	Disc	5000	9.1:1	1.00
7 E 118	JA38J1	C	Disc	8000	9.1:1	1.00
8 E 638	JA41J1	C	Disc	10K	9.1:1	1.00
8 E 639	KB21J1	C	Disc	100	6.9:1	.85

Stock No.	Mfr's Type	Fig.	Style	Ohms @ 25°C	Res. Ratio 0°C: 50°C	EACH
8 E 640	KB22J1	C	Disc	200	6.9:1	.85
8 E 641	KB23J1	C	Disc	300	6.9:1	
8 E 642	KB25J1	C	Disc	500	6.9:1	
9 E 914	KA31L1	G	Disc	1000	9.1:1	
7 E 119	KA33J1	C	Disc	3000	9.1:1	
8 E 643	KA35J3	C	Disc	5000	9.1:1	.85
8 E 644	LB12J2	C	Disc	18.6	6.9:1	.97
7 E 120	LB15J1	C	Disc	50	6.9:1	.85
9 E 915	LB21J1	C	Disc	100	6.9:1	.85
8 E 645	LB22L1	G	Disc	200	6.9:1	.85
8 E 646	LA25L2	G	Disc	500	9.1:1	.85
8 E 647	LA31J1	C	Disc	1000	9.1:1	
8 E 648	MB13J1	C	Disc	25	6.9:1	
8 E 649	MA21J1	C	Disc	100	9.1:1	
7 E 121	MA23J1	C	Disc	300	9.1:1	
8 E 650	NB11J1	C	Disc	10	6.9:1	.85
8 E 651	NA21J1	C	Disc	100	9.1:1	.85
8 E 652	NA22J1	C	Disc	250	9.1:1	.85
8 E 653	QB41J1	D	Rod	10K	7.1:1	1.25
9 E 916	QA51J1	D	Rod	100K	9.1:1	1.25
9 E 917	RB33L1	D	Rod	3150	7.1:1	1.20
9 E 918	RB41L1	D	Rod	10K	9.1:1	1.20
9 E 878	RA43L1	D	Rod	31.5K	9.1:1	1.20
8 E 654	RA51L1	D	Rod	100K	9.1:1	1.35
8 E 655	TB31L1	D	Rod	10K	7.1:1	1.35
8 E 656	TA45L1	D	Rod	50K	9.1:1	1.60
9 E 925	WB11W1	H	Washer	10	6.9:1	1.25
8 E 657	WB13W1	H	Washer	31.5	6.9:1	1.25
9 E 919	WA21W1	H	Washer	100	9.1:1	1.25
8 E 686	WA23W1	H	Washer	315	9.1:1	1.25

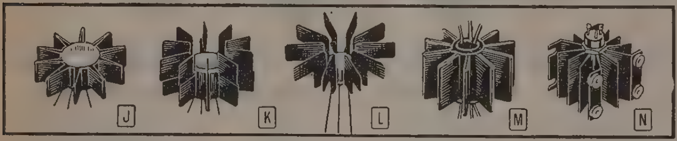
EXPERIMENTER'S THERMISTOR KITS

Model G-200. Contains 12 different thermistors (2 glass probes, 3 beads, 2 discs, 3 rods, 2 washers). Each thermistor is packed with specification sheets showing complete operating characteristics—resistance-temperature curves, etc. Wt., 1½ lbs.
9 E 926 .... 19.95

8 E 658. G-700 Economy Kit. (Not illus.) Includes 4 glass beads and probes for a variety of basic applications. With manual and thermistor data-and-curve computer 4.95

8 E 659. G-701 Economy Kit. (Not illus.) Includes 10 glass beads and probes in a wider range of resistance values. With manual and thermistor data-and-curve computer 9.95

WAKEFIELD ENGINEERING SEMICONDUCTOR COOLERS



Milliwatt Transistor Coolers for natural or forced convection conditions. *For TO-18, 24, 28. †TO-5, 9, 11, 12, 16, 29, 33, 39, 42, 43. ‡TO-8. Types 222 and 224 for 2 transistors. **Radial Rectifier Coolers** are natural convection coolers for press-fitted or stud-mount (to 1 1/16″ hex) rectifiers and transistors. Power dissipation at 40°C case temperature rise: NC301, 7.5 watts, NC302, 11 w., NC303, 16 w. Av. shpg. wt., 5 oz.

FEATHERWEIGHT UNITS FOR MILLIWATT TRANSISTORS

Stock No.	Mfr's Type	Fig.	Dia.	Lgth.	Fits Case Dia.	EACH 1-49	50-499	500-999	1000-4999
6 E 527	NF201	* J	.64	.19	.161/.24	.27	.21	.16	.11
6 E 528	NF203	* K	.64	.38	.161/.24	.29	.22	.17	.12
6 E 529	NF205	† J	.72	.19	.275/.370	.27	.21	.16	.11
6 E 530	NF207	† K	.72	.38	.275/.370	.29	.22	.17	.12
6 E 531	NF209	† L	1.28	.44	.275/.370	.34	.29	.23	.18
7 E 074	NF211	‡ J	.83	.19	.440/.544	.27	.21	.16	.11
7 E 073	NF213	‡ K	.83	.38	.440/.544	.29	.22	.17	.12
7 E 075	NF215	‡ L	1.40	.44	.440/.544	.34	.29	.23	.18
7 E 042	NF222	* M	.64	.38	.161/.240	.38	.30	.24	.19
7 E 043	NF224	† M	.72	.44	.275/.371	.38	.30	.24	.19
6 E 532 8 E 921	Installation tool for Models 211, 13, 15 .... 1.00								

RADIAL RECTIFIER COOLERS

Stock No.	Mfr's Type	Inches Fig.	H	W	D	EACH 1-49	50-99	100-249	250-499
7 E 076	NC301L	N	.75	2.00	2.00	1.55	1.30	1.05	.90
7 E 077	NC301M					1.55	1.30	1.05	.90

RADIAL RECTIFIER COOLERS (Cont'd)

Stock No.	Mfr's Type	Inches Fig.	H	W	D	EACH 1-49	50-99	100-249	250-499
7 E 078	NC301N	N	.75	2.00	2.00	1.55	1.30	1.05	.90
7 E 079	NC301R					1.55	1.30	1.05	.90
7 E 080	NC301RR					1.85	1.55	1.25	1.10
7 E 044	NC301K					1.25	1.05	.85	.70
7 E 081	NC302L	N	1.50	2.00	2.00	1.65	1.40	1.15	1.00
7 E 082	NC302M					1.65	1.40	1.15	1.00
7 E 083	NC302N					1.65	1.40	1.15	1.00
7 E 084	NC302R					1.65	1.40	1.15	1.00
7 E 045	NC302K					1.35	1.15	.95	.80
7 E 085	NC302MM					1.95	1.65	1.35	1.20
7 E 086	NC302NN					1.95	1.65	1.35	1.20
7 E 087	NC302RR					1.95	1.65	1.35	1.20
7 E 088	NC303L	N	3.00	2.00	2.00	1.90	1.60	1.30	1.15
7 E 089	NC303M					1.90	1.60	1.30	1.15
7 E 090	NC303N					1.90	1.60	1.30	1.15
7 E 091	NC303R					1.90	1.60	1.30	1.15
7 E 046	NC303K					1.60	1.35	1.10	.95
7 E 047	NC303MM					2.20	1.85	1.50	1.35
7 E 092	NC303NN					2.20	1.85	1.50	1.35
7 E 093	NC303RR					2.20	1.85	1.50	1.35

INTERNATIONAL RECTIFIER SELENIUM RECTIFIER STACKS

MINIATURE LOW-VOLTAGE STACKS

Typical Applications:
- DC Filament Supplies
- Solenoid and Relay Supplies
- Battery Chargers

Miniature seleniums for low-power applications in DC filament supplies, solenoid and relay power supplies, 6 and 12-v. battery chargers, etc. Rated at 25 v. rms max., except Q4B, 130 v. rms max. H in Type No. indicates single-plate half-wave; B indicates full-wave bridge rectifier. Av. wt., 2 oz.

Stock No.	Mfr's Type	Max. DC Ma	Size	EA.
4 U 822	Q1H	65	4 3/64x4 3/64x7/16″	.36
4 U 823	A1H	100	1x1x7/16″	.38
4 U 824	B1H	150	1 13/64x1 13/64x7/16″	.40
4 U 825	C1H	250	1½x1½x7/16″	.42
4 U 826	M1H	500	2x2x7/16″	.56
4 U 827	Q1B	100	4 3/64x4 3/64x7/16″	.84

Stock No.	Mfr's Type	Max. DC Ma	Size	EA.
4 U 828	Q4B	100	4 3/64x4 3/64x15/16″	1.56
4 U 829	A1B	180	1x1x¾″	1.22
4 U 830	B1B	300	1 13/64x1 13/64x¾″	1.28
4 U 831	C1B	600	1½x1½x¾″	1.46
4 U 832	M1B	1200	2x2x¾″	1.72

COMPACT SELENIUM STACKS

Low cost, high density selenium rectifiers for original equipment and replacement use. Also useful for Amateur and experimental applications. Offer long life, stable characteristics, negligible leakage. All are rated 130 v. rms max. input. With mounting bracket and hardware. Av. wt., 3 oz.

Stock No.	Size	DC Output (Ma)	EA.
4 U 010	2 1/32x.67x.67	0-75	.59
4 U 011	¾x1x1	75-150	.74
4 U 012	1 5/16x1¼x1¼	150-300	1.10
4 U 014	1 5/16x1½x1½	400 500	1.22
4 U 015	2x2x2	500-650	2.08

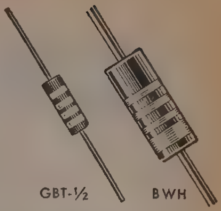
IRC Resistors and Resistor Kits

Type GBT and SR Fixed Composition. Choose from 10% (Table A) or 5% (Table B) tolerances. Meet or exceed MIL-R-11 specifications. Withstand 50-100% overloads for short periods of time. EIA (RETMA) coded. Sizes GBT-½, 25/64x9/64″; GBT-1, 9/16x7/32″; SR-¼, ¼x3/32″; SR-2, 11/16x5/16″. Figure after hyphen in Type No. indicates wattage rating. Values may be assorted for quantity price.

Type BWH 2-Watt Fixed Wirewound. Values to 1500 Ohms. Choose from 10% (Table A) or 5% (Table B) tolerances. Rated at 2-w. to 158°F ambient temp.; 1-w. at 239°F; and ½-w. at 279°F. Meet MIL-R-11D specifications. Small as 1-w. composition. EIA (RETMA) coded; wide first band. Inductance .04 to 4/5 μh from 0.24 to 1500 ohms. Values may be assorted for quantity price.

RESIST-O-GUIDE
ALLIED RADIO CORPORATION

FREE . . . . Color Code Guide with purchase of 20 or more resistors. Specify Stock No. 26 M 770.



10% INSULATED GBT, SR AND BWH TYPES

TYPE GBT, SR 10% FIXED COMPOSITION

Stock No.	Type and Wattage	Values See Table "A"	EACH 1-4	EACH 5-49	EACH 50-99
27 MM 150	SR-¼	10 Ω to 1 meg	13¢	9¢	6¢
25 MM 000	GBT-½	2.7 Ω to 22 megs	12¢	9¢	5½¢
25 MM 020	GBT-1	10 Ω to 22 megs	18¢	11¢	8½¢
25 MM 070	SR-2	10 Ω to 22 megs	24¢	19¢	14¢

TYPE BWH 10% 2-WATT FIXED WIREWOUND

Stock No.	Mfr's Type	Values to 1500 Ohms See Table "A"	EACH 1-4	EACH 5-99
25 MM 076	BWH	.27 ohms thru 8.2 ohms	24¢	18¢
25 MM 077	BWH	10 ohms thru 1500 ohms	18¢	15¢
		No values above 1500 ohms		

TABLE "A" 10% EIA (RETMA) STOCK VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs	Megs
0.27	1.2	5.6	27	120	560	2700	12K	56K	270K	1.2	5.6
0.33	1.5	6.8	33	150	680	3300	15K	68K	330K	1.5	6.8
0.39	1.8	8.2	39	180	820	3900	18K	82K	390K	1.8	8.2
0.47	2.2	10	47	220	1000	4700	22K	100K	470K	2.2	10
0.56	2.7	12	56	270	1200	5600	27K	120K	560K	2.7	12
0.68	3.3	15	68	330	1500	6800	33K	150K	680K	3.3	15
0.82	3.9	18	82	390	1800	8200	39K	180K	820K	3.9	18
1.0	4.7	22	100	470	2200	10K	47K	220K	1 meg	4.7	22

5% INSULATED GBT, SR AND BWH TYPES

TYPE GBT SR 5% FIXED COMPOSITION

Stock No.	Type and Wattage	Values See Table "B"	EACH 1-4	EACH 5-49	EACH 50-99
27 MM 155	SR-¼	10 Ω to 1 Meg	26¢	19¢	11¢
25 MM 005	GBT-½	2.7 Ω to 22 megs	24¢	19¢	11½¢
25 MM 025	GBT-1	10 Ω to 22 megs	36¢	28¢	17½¢
25 MM 045	SR-2	10 Ω to 22 megs	48¢	37¢	23¢

TYPE BWH 5% 2-WATT FIXED WIREWOUND

Stock No.	Mfr's Type	Values to 1500 Ohms See Table "B"	EACH 1-4	EACH 5-99
25 MM 078	BWH	.24 ohms thru 9.1 ohms	47¢	40¢
25 MM 079	BWH	10 ohms thru 1000 ohms	30¢	25¢
25 MM 024	BWH	1100 ohms thru 1500 ohms	33¢	28¢
		No values above 1500 ohms		

TABLE "B" 5% EIA (RETMA) STOCK VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs	Megs
0.24	1.1	5.1	24	110	510	2400	11K	51K	240K	1.1	5.1
0.27	1.2	5.6	27	120	560	2700	12K	56K	270K	1.2	5.6
0.30	1.3	6.2	30	130	620	3000	13K	62K	300K	1.3	6.2
0.33	1.5	6.8	33	150	680	3300	15K	68K	330K	1.5	6.8
0.36	1.6	7.5	36	160	750	3600	16K	75K	360K	1.6	7.5
0.39	1.8	8.2	39	180	820	3900	18K	82K	390K	1.8	8.2
0.43	2.0	9.1	43	200	910	4300	20K	91K	430K	2.0	9.1
0.47	2.2	10	47	220	1000	4700	22K	100K	470K	2.2	10
0.51	2.4	11	51	240	1100	5100	24K	110K	510K	2.4	11
0.56	2.7	12	56	270	1200	5600	27K	120K	560K	2.7	12
0.62	3.0	13	62	300	1300	6200	30K	130K	620K	3.0	13
0.68	3.3	15	68	330	1500	6800	33K	150K	680K	3.3	15
0.75	3.6	16	75	360	1600	7500	36K	160K	750K	3.6	16
0.82	3.9	18	82	390	1800	8200	39K	180K	820K	3.9	18
0.91	4.3	20	91	430	2000	9100	43K	200K	910K	4.3	20
1.0	4.7	22	100	470	2200	10K	47K	220K	1 meg	4.7	22

RESISTOR ASSORTMENTS IN COMPACT METAL CABINETS

Cabinet Included

IRC balanced resistor assortments come to you in compact metal "Resist-O-Cabinets." Here's a practical and space-saving way to keep resistors handy. Cabinets have 4 drawers and 28 compartments. Each resistance value is in a separate compartment. Cabinet, 5⅜x 5 15/16x10⅞".

2-WATT ASSORTMENT NO. 3A

120 2-watt resistors as follows: 7 each—8200, 10K, 22K, 47K; 5 each—1000, 6800, 15K, 100K; 4 each—100, 330, 470, 1500, 2200, 3300, 4700, 27K, 1.0 meg; 3 each—47, 82, 150, 220, 270, 3900, 220K, 470K; 2 each—4.7, 10, 22, 68; 1 each—15, 27, 33, 39. With cabinet. 4½ lbs.
26 M 776..........................28.80

½-WATT ASSORTMENT NO. 4A

150 ½-watt resistors as follows: 8 each—1000, 47K, 100K, 270K, 470K, 1.0 meg; 7 each—4700, 10K, 220K, 2.2 meg; 5 each—3300, 22K, 27K, 33K, 330K, 4.7 meg; 4 each—100, 470, 1500, 2200, 2700, 56K, 68K, 3.3 meg; 3 each—47, 220, 270, 10 meg. With metal cabinet. Wt., 4½ lbs.
26 M 777..........................18.00

COMBINATION ASSORTMENT NO. 6A

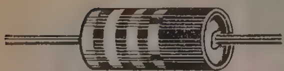
Complete resistor stock for AM, FM, and TV circuitry in one handy cabinet. Includes 139 IRC insulated and Type DCF precision film resistors in wattage ratings and resistance values as follows. **½ Watt:** 4 each—1000, 47K, 100K, 270K, 470K, 1.0 meg; 3 each—4700, 10K, 220K, 2.2 meg; 2 each—47, 100, 150, 220, 270, 470, 1500, 2200, 2700, 3300, 15K, 22K, 27K, 33K, 39K, 68K, 150K, 4.7 meg. **1 Watt:** 4 each—1000, 10K, 27K, 100K, 1.0 meg; 3 each—47K, 470K, 2.2 meg; 2 each—3300, 15K, 22K, 68K, 150K, 270K; 1 each—47, 100, 150, 220, 270, 470, 1500, 2200, 2700, 4700, 33K, 39K, 220K, 4.7 meg. **2 Watt:** 1 each—47, 100, 470, 4700, 10K, 22K, 47K. **Type DCF:** 1 each—1000, 10K, 100K, 1.0 meg, 5 meg. With compact metal Resist-O-Cabinet. 5 lbs.
26 M 779..........................23.22

1-WATT ASSORTMENT NO. 5A

125 1-watt resistors. 7 each—1000, 10K, 27K, 47K, 100K, 270K, 470K, 1.0 meg; 5 each—2200, 4700, 22K; 4 each—33K, 39K, 68K; 3 each—47, 100, 150, 220, 270, 470, 1500, 2700, 3300, 15K, 150K, 220K, 2.2 meg, 4.7 meg. 4¾ lbs.
26 M 778..........................22.50

Resistors, Surgistors, Thermistors, Calculators

OHMITE "LITTLE DEVIL" RESISTORS



Molded, insulated, composition resistors in standard ratings as well as subminiature 1/10 and ¼ watt sizes. Choose from 10% (Table "A") or 5% (Table "B") tolerances except 1/10 watt, 10% only. Meet all MIL-R-11D specs. Dissipate heat rapidly; full rating to 158°F. Breakdown: 1/10-w., 150 v.; ¼-w., 250 v.; ½-w., 350 v.; 1-w., 500 v.; 2-w., 750 v. 2 oz.

10% TOLERANCE RESISTORS

SEE TABLE "A" BELOW FOR VALUES

Stock No.	Wattage Rating	ASSORTED 1-4 EA.	5-49 EA.	50-Up EA.
26 MM 050	1/10§	24¢	20¢	16¢
26 MM 451	¼†	14¢	12¢	8¢
26 MM 450	¼*	13¢	11¢	7¢
26 MM 039	½‡	13¢	11¢	7¢
26 MM 040	½	12¢	10¢	6¢
26 MM 060	1	18¢	15¢	9¢
26 MM 080	2	24¢	20¢	15¢

†In values from 2.7 ohms to 22 ohms only.
‡In values from 1 ohm to 2.2 ohms only.
§In values from 10 ohms to 1 meg. only.
*In values from 27 ohms to 22 megs. only.

TABLE "A"

SPECIFY VALUES DESIRED

Ohm	Ohm	Ohm	Ohm	Ohm	Meg
1	22	470	10K	220K	4.7
1.2	27	560	12K	270K	5.6
1.5	33	680	15K	330K	6.8
1.8	39	820	18K	390K	8.2
2.2	47	1000	22K	470K	10.0
2.7	56	1200	27K	560K	12.0
3.3	68	1500	33K	680K	15.0
3.9	82	1800	39K	820K	18.0
4.7	100	2200	47K	1 meg	22.0
5.6	120	2700	56K	1.2 meg	
6.8	150	3300	68K	1.5 meg	
8.2	180	3900	82K	1.8 meg	
10	220	4700	100K	2.2 meg	
12	270	5600	120K	2.7 meg	
15	330	6800	150K	3.3 meg	
18	390	8200	180K	3.9 meg	

5% TOLERANCE RESISTORS

SEE TABLE "B" BELOW FOR VALUES

Stock No.	Wattage Rating	ASSORTED 1-4 EA.	5-49 EA.	50-Up EA.
26 MM 455	¼*	26¢	22¢	14¢
26 MM 044	½†	26¢	22¢	14¢
26 MM 045	½	24¢	20¢	12¢
26 MM 065	1‡	36¢	30¢	18¢
26 MM 085	2§	48¢	40¢	24¢

*In values from 27 ohms to 22 megs. only.
‡In values from 2.7 ohms to 22 megs. only.
†In values from 1 to 2.4 ohms only.
§In values from 10 ohms to 22 megs. only.

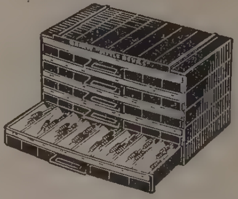
TABLE "B"

SPECIFY VALUES DESIRED

5% TOLERANCE RESISTORS

Ohm	Ohm	Ohm	Ohm	Ohm	Meg
1	18	330	5600	91K	1.5
1.1	20	360	6200	100K	1.6
1.2	22	390	6800	110K	1.8
1.3	24	430	7500	120K	2.0
1.5	27	470	8200	130K	2.2
1.6	30	510	9100	150K	2.4
1.8	33	560	10K	160K	2.7
2	36	620	11K	180K	3.0
2.2	39	680	12K	200K	3.3
2.4	43	750	13K	220K	3.6
2.7	47	820	15K	240K	3.9
3	51	910	16K	270K	4.3
3.3	56	1000	18K	300K	4.7
3.6	62	1100	20K	330K	5.1
3.9	68	1200	22K	360K	5.6
4.3	75	1300	24K	390K	6.2
4.7	82	1500	27K	430K	6.8
5.1	91	1600	30K	470K	7.5
5.6	100	1800	33K	510K	8.2
6.2	110	2000	36K	560K	9.1
6.8	120	2200	39K	620K	10.0
7.5	130	2400	43K	680K	11.0
8.2	150	2700	47K	750K	12.0
9.1	160	3000	51K	820K	13.0
10	180	3300	56K	910K	15.0
11	200	3600	62K	1.0 meg	16.0
12	220	3900	68K	1.1 meg	18.0
13	240	4300	75K	1.2 meg	20.0
15	270	4700	82K	1.3 meg	22.0
16	300	5100			

OHMITE "LITTLE DEVIL" RESISTOR ASSORTMENTS



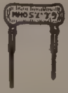
Plastic Storage Cabinet Included

Most-often-needed values (10 ohms to 10 megs). Ideal assortment for radio, hi-fi, and TV servicemen. Molded, insulated, composition resistors with tolerances of ±10%. Choose either ¼, ½, 1 or 2-watt assortments. Convenient storage cabinet of high-impact plastic, 4¾x9x5¼". Has five drawers, each with eight labeled compartments. Shpg. wt., 3 lbs.

Stock No.	Type	Resistors	EACH
26 M 760	CAB 4	150 ¼-watt	19.50
26 M 761	CAB-10	150 ½-watt	18.00
26 M 759	CAB-2	125 1-watt	22.50
26 M 762	CAB-3	125 2-watt	30.00

HAMILTON-HALL

TV FUSE RESISTORS

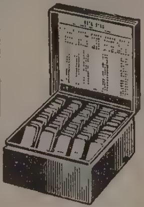


Reliable, low-cost replacements for series-string TV tube circuits. Replace similar units in Raytheon, RCA, Motorola, Sylvania, Zenith and other TV receivers. All resistors are less than an inch in length—tinned leads Av. shpg. wt., 2 oz.

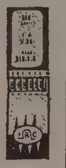
Stock No.	Type	Ohms	EACH
26 M 021	FR-4.7	4.7	29¢
26 M 022	FR-5.6	5.6	
26 M 023	FR-7.5	7.5	
26 M 024	FR-9.0	9.0	
26 M 025	FR-22.0	22.0	

26 M 026. Type PL-99 Fuse Resistor Kit. Contains: 6—7.5; 1—4.7; 1—5.6; 1—9.0; and 1—22-ohm fuse resistors. Wt., 10 oz. 1.95

IRC HANDY-PAK RESISTOR ASSORTMENTS



A



B

Single Handy-Pak

- Easy-to-Read Values
- Clear Plastic Pockets

Designed to keep your resistor stocks within quick, easy reach—end "cigar box confusion", help you to remember when it's time to reorder. IRC Handy-Paks are all a uniform size for ½, 1 and 2 watts—one pack-size for each resistor value. Complete resistor stocks are always visible. All resistors are 10% carbon-composition types. Value and wattage are clearly indicated on each convenient pack, as well as by coding and size of visible resistors.

"RESIST-O-CHEST"

A Convenient inventory. All-metal resistor filing cabinet supplied complete with a wide assortment of resistors in "Handy-Paks." Ideal for the service shop. Has hinged lid and metal separators to keep Handy-Paks orderly—right at your fingertips. Inventory list in lid helps you keep stock up-to-date. Size, 6¼x5⅜x3⅜". Shpg. wts.: 42 and 43, 2¼ lbs.; 46 and 47, 2½ lbs.; 49A and 50A, 3 lbs.

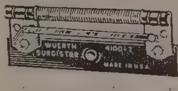
Stock No.	Mfr's Type	No. of Resistors	No. of Values	Range Values	EACH
26 M 787	42	204 ½-w.	34	47Ω to 10 megs	24.48
26 M 788	43	462 ½-w.	77	10Ω to 22 megs	55.44
26 M 789	46	136 1-w.	34	47Ω to 10 megs	24.48

REPLACEMENT "HANDY-PAKS"

B For replacement in above assortments. Standard "Handy Pak" package of either six ½-watt or four 1-watt resistors. 10% tolerances. **See Table "A" on page 229 for values available. Specify resistance value desired.** Av. shpg. wt., 6 oz.

Stock No.	Wattage Rating	Quantity Per Pkg.	PER PACKAGE 1 to 11, EA.	12 and Up, EA.
25 MM 487	½	6	72¢	54¢
25 MM 488	1	4	72¢	54¢

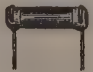
WUERTH SURGISTORS



Designed to limit harmful initial current-surge to 25% of normal, yet allow full voltage after warm-up. Connect directly into power line. For 110-120 v., AC-DC. Av. shpg. wt., 7 oz.

Stock No.	Mfr's Type	Wattage	EACH
28 M 552	4100-2	100-275	1.17
28 M 553	8050-4	250-400	1.77
28 M 560	8035-5	300-500	1.98

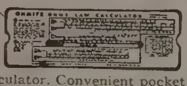
G-C "GLO-BAR THERMISTORS"



Popular thermal resistors used in series-string filament circuits of RCA, Philco, and other television sets. A necessary service replacement item. Av. shpg. wt., 2 oz.

Stock No.	Type	Ohms Hot	Cold	Replaces	EACH
26 M 066	25-912	20	250	GE RRW051	.88
26 M 067	25-914	75	950	GE RRW041	1.29
26 M 068	25-916	31	260	GE RRW097	1.12
26 M 053	25-920	11	. . .	M'rola 6A7.35941	1.47
26 M 054	25-922	50	. . .	Philco 33-1343-3	.94
26 M 055	25-924	10.5K at 125V		G.E. RRW052	1.88
26 M 071	25-928	9	. . .	RCA 100118	.93

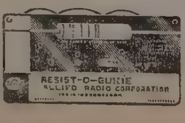
OHMITE OHM'S LAW CALCULATOR



Easy-to-use calculator. Solves problems involving Ohm's Law and DC power factor. Shows power, voltage and current when resistance is known. By setting to two known values, resistance can be determined. Also has parallel resistance calculator. Convenient pocket size, 9x3". Shpg. wt., 3 oz.

26 M 780. Varnished Cardboard 25c
26 M 781. Deluxe Plastic Model 1.50

ALLIED COLOR-CODE GUIDE



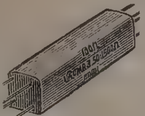
An "instant-reference" color-code guide for resistors. Convenient pocket-size, 2¾x 4¾". Guide includes tolerance code and listing of EIA-Mil-5 & 10% standard stock values. Allied's time-saving color-code guide is yours FREE with your order of 20 or more resistors. Shpg. wt., 2 oz.

26 M 770 . . . . 15¢

IRC Power Resistors and Resistor Assortments

MULTI-RANGE 10-WATT WIRE-WOUND RESISTORS

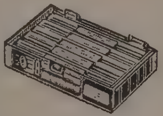
TYPE MR



Versatile resistors combining 4 separate 10-watt elements in a single, compact unit. Eliminate the need for large resistor inventories. Each package is supplied complete with instructions for connecting element leads to provide up to 47 different resistance values within the ranges listed in the table below. Resistance values range from 0.5 ohms through 50K. Size, 1⅞x½". Shpg. wt., 3 oz. **2 per package.**

Stock No.	Type	Range	PER PKG.
25 M 580	MR1	47 values from 0.5 through 15 ohms	1.20
25 M 581	MR2	47 values from 5 through 150 ohms	1.20
25 M 582	MR3	47 values from 50 through 1500 ohms	1.20
25 M 583	MR4	47 values from 500 through 15K	1.20
25 M 584	MR5	12 values from 3000 through 50K	1.80

TYPE 55 RESISTOR ASSORTMENT



A complete power resistor kit consisting of 10 Type MR multi-range resistors. Includes 2 of each Type MR resistor listed in the table above. Highly recommended for schools and labs, experimenters, Amateurs, hobbyists, etc. 200 different resistance values can be obtained from these 10 multi-range units. Provides complete 10-watt coverage right at your fingertips—resistance values range all the way from 0.5 ohms to 50K. Steatite housing provides excellent insulation. Supplied in convenient plastic storage box, 1¼x5¼x3½". Resistor assortment eliminates the need for large resistor inventories. Shpg. wt., 1 lb.

25 M 585........................6.60

AXIAL-LEAD POWER RESISTORS

PW-5 AND PW-10

TYPE PW-5. IRC 5-watt wire-wound resistors with glass fiber core. Sealed and insulated rectangular ceramic case. 1½" leads. Tolerance, ±10%. Size less leads, ⅞x⅜". Shpg. wt., 2 oz. *Available in values 1 to 6000 ohms only.* **Specify value—see Table "B" below.**

25 MM 175........................25¢

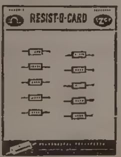
Type PW-10. As above but 10-watt rating. Size, 1⅞x⅜". **Specify value—see Table "B" below.**

25 MM 190........................36¢

TABLE "B" (OHMS)—SPECIFY VALUES

1	20	125	600	1500	4000	8500
2	25	150	700	1750	4500	9000
3	30	200	750	2000	5000	10K
4	40	250	800	2250	6000	12K
5	50	300	900	2500	7000	12.5K
7.5	75	350	1000	3000	7500	15K
10	100	400	1200	3300	8000	20K
15	120	500	1250	3500	8200	25K

AXIAL-LEAD "RESIST-O-CARD" RESISTOR ASSORTMENTS



Type PW-5X10. IRC 5-watt resistors. 1 ea: 10, 20, 25, 50, 100, 500, 1000, 2000, 4000, 5000.

25 M 176..........2.50

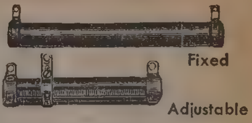
Type PW-5X20. 5-watt resistors. 1 ea: 1, 5, 7.5, 10, 15, 20, 25, 50, 100, 150, 500, 750, 1000, 1250, 1500, 2000, 2500, 3000, 4000, 5000.

25 M 177..........5.00

Type 20-A. 10-watt resistors. 1 ea: 50, 75, 100, 250, 500, 750, 1000, 1500, 2000, 2500, 3000, 3300, 3900, 4000, 5000, 6000, 7500, 8200, 10K, 15K.

25 M 191........................7.20

WIREWOUND POWER RESISTORS



Highly-reliable, "Resisteg" coated power resistors. Tolerances: fixed, ±5%; adjustable, ±10%. All types of 25-watt rating or higher, supplied with mtg. brackets. All rated 100 watts or less have eyelets for screw mounting plus leads, except *leads and lugs; all others have eyelets and mounting brackets. *Specify resistance and wattage when ordering.* Av. shpg. wts., 5 to 50-watt types, 4 oz.; others, 1 lb.

TABLE "A" VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	12	75	350	800	2000	5000	11K	20K	55K	95K
1.5	15	100	400	900	2250	6000	12K	22.5K	60K	100K
2	20	125	450	1000	2500	7000	12.5K	25K	65K	125K
3	25	150	500	1100	2750	7500	13.5K	30K	70K	150K
4	30	200	600	1200	3000	8000	15K	35K	75K	175K
5	35	225	650	1250	3500	8500	16K	40K	80K	200K
7.5	40	250	700	1500	4000	9000	17.5K	45K	85K	250K
10	50	300	750	1750	4500	10K	18K	50K	90K	

FIXED POWER RESISTORS (SEE TABLE "A" ABOVE FOR VALUES)

*TYPE 1A—5-8 WATTS—1x5⁄16"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 250	1 to 1000 except 650	52¢
25 MM 251	1100 to 5000 except 2750	55¢
25 MM 252	6000 to 10K except 8500	58¢
25 MM 253	12.5K to 20K except 13.5K, 16K, 18K	65¢
25 MM 254	22.5K and 25K only	68¢

*TYPE 1¾A—10-12 WATTS—1¾x5⁄16"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 270	1 to 1000 except 650	57¢
25 MM 271	1100 to 5000 except 2750	61¢
25 MM 272	6000 to 10K	70¢
25 MM 273	11K to 20K	79¢
25 MM 274	22.5K to 40K	83¢
25 MM 269	45K and 50K only	93¢

*TYPE 2C—20 WATTS—2x7⁄16"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 278	1 to 1000 except 1.5, 7.5, 12, 15, 20, 30, 35, 40, 125, 225, 450, 600	.68
25 MM 279	1200 to 5000	.70
25 MM 280	6000 to 10K except 8500	.83
25 MM 281	12.5 K to 20 K exc. 13.5 K, 16K, 17.5K and 18K	.85
25 MM 282	25K to 40K	.99
25 MM 283	45K to 60K	1.15
25 MM 258	65K to 80K	1.37
25 MM 259	85K to 100K	1.57

TYPE 2D—25 WATTS—2x9⁄16"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 203	1, 2, 3, 4, 5, 10, 15, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	.72
25 MM 204	1500 to 5000 except 1750, 2250, 2750 and 4500	.75
25 MM 205	6000, 7500, 10K only	.85
25 MM 206	12K, 15K, 20K only	.90
25 MM 207	25K to 40K	1.04
25 MM 208	50K and 60K only	1.21
25 MM 209	70K and 80K only	1.42
25 M 210	100K only	1.64

TYPE 4D—50 WATTS—4x9⁄16"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 290	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	1.11
25 MM 291	1500, 2000, 2500, 3000, 4000 and 5000	1.14
25 MM 292	7500, 8000, 10K only	1.23
25 MM 293	12K, 15K and 20K only	1.35
25 MM 225	25K and 35K only	1.54
25 M 226	50K only	1.72
25 M 227	75K only	1.97
25 M 228	100K only	2.13
25 M 229	125K only	2.57
25 M 330	150K only	2.70
25 M 331	175K only	2.79
25 M 332	200K only	2.89
25 M 333	250K only	3.24

TYPE 6½E—100 WATTS—6½x¾"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 309	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 125, 150, 250, 500, 750, 1000	1.54
25 MM 310	1500, 2000, 2500, 3000, 5000	1.60
25 MM 311	7500 and 10K only	1.73
25 MM 304	15K and 20K only	1.87
25 MM 305	25K, 30K, 40K only	2.13
25 MM 306	50K and 60K only	2.21
25 M 307	75K only	2.45
25 M 308	100K only	2.75

TYPE 10½H—200-225 WATTS—10½x1⅛"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 441	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 250, 500, 750, 1000	2.46
25 MM 442	1500, 2000, 2500, 3000, 5000	2.53
25 MM 443	7500 and 10K only	2.71
25 MM 444	15K and 20K only	2.89
25 MM 445	25K, 30K and 40K only	2.98
25 MM 446	50K and 60K only	3.08
25 M 447	75K only	3.26
25 M 448	100K only	3.46

ADJUSTABLE POWER RESISTORS (SEE TABLE "A" ABOVE FOR VALUES)

TYPE 1¾AA—10-12 WATTS 1¾x5⁄16"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 275	1 to 1000 except 1.5, 4, 12, 30, 35, 40, 125, 225, 450, 650, 700 and 900	1.14
25 MM 276	1250-5000 except 1750, 2750	1.18
25 MM 277	6000 to 10K	1.27

TYPE 2DA—25 WATTS—2x9⁄16"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 284	1 to 1000 except 1.5, 4, 12, 30, 35, 40, 125, 225, 350, 450, 600 650, 700 and 900	1.29
25 MM 285	1250 to 5000 except 1750 and 2750	1.32
25 MM 286	6000 to 10K except 8500	1.42
25 MM 287	12K, 15K, 20K only	1.47
25 M 288	25K only	1.61

TYPE 4DA—50 WATTS—4x9⁄16"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 294	1, 2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 200, 250, 300, 400, 500, 750, 800, 1000	1.68
25 MM 295	1250-5000 exc. 1750, 2750	1.71
25 MM 296	6000 to 10K except 8500	1.80
25 MM 297	12K, 15K and 20K only	1.92
25 MM 298	25K, 30K, and 50K only	2.11
25 MM 299	50K and 60K only	2.29
25 M 300	80K only	2.54
25 M 301	100K only	2.70

TYPE 5EA—75 WATTS—5x¾"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 211	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	1.86
25 MM 212	1500, 2500 and 5000	1.95
25 M 213	10K only	2.09
25 MM 214	15K and 20K only	2.22

TYPE 5EA—75 WATTS (Cont'd)

Stock No.	Ohms See Table "A" Above	EA.
25 MM 215	25K, 30K and 40K only	2.41
25 M 216	50K only	2.60
25 M 217	75K only	2.87
25 M 218	100K only	3.10

TYPE 6½EA—100 WATTS—6½x¾"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 312	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	2.11
25 MM 313	1500, 2500 and 5000	2.17
25 M 314	10K only	2.30
25 MM 315	15K and 20K only	2.44
25 MM 316	25K, 30K and 40K only	2.70
25 M 317	50K only	2.78
25 M 318	75K only	3.02
25 M 319	100K only	3.32

TYPE 10½HA—200-225 WATTS—10½x1⅛"

Stock No.	Ohms See Table "A" Above	EA.
25 MM 377	1, 2, 3, 4, 5, 10, 25, 50, 100, 250, 500 and 1000 only	3.34
25 MM 378	1500, 2500 and 5000	3.41
25 M 379	10K only	3.59
25 MM 380	15K and 20K only	3.77
25 MM 381	25K, 30K and 40K only	3.86
25 M 382	50K only	3.96
25 M 383	75K only	4.14
25 M 384	100K only	4.34

Extra Sliders. For adjustable resistors. 3 oz.

25 M 370. For 1¾AA....................14¢
25 M 371. For 2DA, 4DA....................14¢
25 M 372. For 5EA, 6½EA....................14¢
25 M 373. For 8½HA, 10½HA..........23¢

Specify Resistance and Wattage When Ordering Resistors

IRC and Dale Precision and Power Resistors

IRC ½-WATT 1% PRECISION RESISTORS—MIL-10509

Type DCC. Precision, unmolded, film-type carbon resistors for circuits requiring high voltage ratings and low noise levels as in instrumentation, advanced electronics, and color TV circuits. Values available indicated in Table "A" below. Have low voltage-coefficient, excellent frequency characteristics and small size. ½-watt rating. Meet stringent military specifications. Military type, RN20X. MIL-10509. Ratings, 40°C. Specify values wanted when ordering. Av. shpg. wt., 3 oz.

25 MM 493. Specify Value.......................... Each 54¢

TABLE "A"—MIL-OHM STOCK VALUES

SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
10.0	90.9	475	2150	6190	23.7K	66.5K	267K
12.1	97.6	499	2210	6650	24.3K	68.1K	287K
12.4	100	511	2260	6810	24.9K	71.5K	301K
14.7	110	523	2320	7500	25.5K	73.2K	316K
15.0	121	562	2370	8060	26.1K	75K	332K
16.9	124	576	2430	8250	26.7K	80.6K	340K
19.6	130	604	2490	8660	27.4K	82.5K	348K
20.0	133	619	2550	9090	28K	86.6K	357K
20.5	150	681	2610	9530	28.7K	90.9K	365K
21.5	162	698	2670	10K	29.4K	93.1K	402K
22.1	182	750	2740	10.7K	30.1K	95.3K	412K
23.7	196	806	2800	11K	33.2K	100K	464K
24.9	200	825	2940	12.1K	34.8K	110K	499K
26.1	215	909	3010	12.4K	35.7K	115K	562K
28.7	221	1000	3160	13K	36.5K	121K	619K
30.1	237	1050	3320	13.3K	37.4K	124K	681K
31.6	243	1100	3400	14K	38.3K	127K	750K
33.2	249	1130	3480	14.7K	39.2K	130K	825K
34.0	255	1150	3650	15K	40.2K	140K	909K
34.8	261	1210	3740	15.4K	41.2K	147K	1.00 meg
42.2	274	1300	3830	15.8K	43.2K	150K	1.05 meg
46.4	301	1330	3920	16.2K	44.2K	162K	1.10 meg
47.5	316	1400	4020	16.5K	46.4K	169K	1.21 meg
49.9	332	1470	4120	16,9K	47.5K	178K	1.30 meg
51.1	348	1500	4220	18.2K	49.9K	182K	1.50 meg
56.2	357	1620	4320	19.6K	51.1K	196K	1.96 meg
61.9	383	1650	4640	20K	54.9K	200K	2.00 meg
68.1	392	1690	4750	20.5K	56.2K	215K	2.15 meg
69.8	402	1780	4990	21K	60.4K	221K	2.21 meg
75.0	422	1820	5110	21.5K	61.9K	237K	2.49 meg
80.6	432	1960	5620	22.1K	63.4K	255K	
82.5	464	2000	6040	22.6K	64.9K	261K	

IRC TYPE AS 5% POWER RESISTORS

AS10 10W
200 Ω 1%

Miniature wirewound resistors with silicone Thermacoat—carry full rated power at 125°C ambient. Maximum working voltages: AS-2, 150 v.; AS-5, 400 v.; AS-10, 1000 v. 1½" leads. Av. shpg. wt., 2 oz. Specify values from Table "B."

TABLE "B"

STOCK VALUES (OHMS)—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
.1	1.2	4.7	18	68	270	1000	3900
.12	1.3	5.1	20	75	300	1100	4300
.15	1.5	5.6	22	82	330	1200	4700
.18	1.6	6.2	24	91	360	1300	5100
.22	1.8	6.8	27	100	390	1500	5600
.27	2.0	7.5	30	110	430	1600	6200
.33	2.2	8.2	33	120	470	1800	6800
.39	2.4	9.1	36	130	510	2000	7500
.47	2.7	10	39	150	560	2200	8200
.56	3.0	11	43	160	620	2400	
.68	3.3	12	47	180	680	2700	
.82	3.6	13	51	200	750	3000	
1.0	3.9	15	56	220	820	3300	
1.1	4.3	16	62	240	910	3600	

5%—TYPE AS-2 2-WATT—(½x¼")

Stock No.	Values Available In Ohms See Table "B" Above	EACH
25 MM 036	.1 to .82	75¢
25 MM 037	1.0 to 910	55¢

5%—TYPE AS-5 5-WATT—(15/16x1 1/32")

Stock No.	Values Available In Ohms See Table "B" Above	EACH
25 MM 042	.1 to .82	78¢
25 MM 043	1.0 to 1000	56¢
25 MM 044	1100 to 3600	59¢

5%—TYPE AS-10 10-WATT—(1 13/16x13/32")

Stock No.	Values Available In Ohms See Table "B" Above	EACH
25 MM 053	.22 to .82	86¢
25 MM 054	1.0 to 1000	61¢
25 MM 055	1100 to 4700	67¢
25 MM 056	5100 to 8200	76¢

IRC TYPE CE T-O EVAPORATED METAL-FILM RESISTORS

CEA T-O, CEB T-O, CEC T-O. Precision 1% types with M-coat moisture proofing. Noise is less than 0.1 v./v. with a voltage coefficient of less than 5 PPM/v. Temp. coeff. of 0 ±100 PPM/°C from −55°C to +165°C. Power ratings at 125°C ambient. Specify values desired when ordering—see Table "C" below.

CEA T-O ⅛ WATT, MIL TYPE RN55B/D, 250 VOLTS

Stock No.	Values—See Table "C" Below	EACH
25 MM 016	30.1 to 499K	85¢

CEB T-O ¼ WATT MIL TYPE RN60B/D, 300 VOLTS

Stock No.	Values—See Table "C" Below	EACH
25 MM 013	51.1 to 1 meg	85¢

CEC T-O ½ WATT, 350 VOLTS

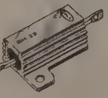
Stock No.	Values—See Table "C" Below	EACH
25 MM 018	51.1 to 1.5 meg	54¢

TABLE "C"—MIL-OHM STOCK VALUES

SPECIFY RESISTANCE WANTED

Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm
30.1	143	402	1000	2210	4420	8870	22.1K	49.9K	187K	536K
31.6	147	422	1100	2260	4530	9090	23.7K	51.1K	196K	562R
33.2	150	432	1150	2320	4640	9530	24.3K	54.9K	200K	576K
34.0	162	453	1210	2370	4750	9760	24.9K	56.2K	215K	604K
34.8	178	464	1240	2430	4870	10K	25.5K	57.6K	221K	619K
40.2	182	475	1270	2490	4990	10.2K	26.1K	59K	237K	665K
46.4	196	487	1300	2610	5110	10.5K	26.7K	60.4K	249K	681K
47.5	200	499	1330	2670	5230	10.7K	27.4K	61.9K	255K	698K
49.9	215	511	1400	2740	5490	11K	28.7K	64.9K	261K	715K
51.1	221	549	1430	2800	5620	12.1K	29.4K	66.5K	267K	750K
56.2	232	562	1470	2870	5760	12.4K	30.1K	68.1K	280K	825K
60.4	243	576	1500	2940	5900	13K	31.6K	69.8K	287K	909K
61.9	249	590	1540	3010	6040	13.3K	32.4K	71.5K	301K	953K
68.1	255	604	1580	3090	6190	14K	33.2K	75K	316K	Meg
69.8	261	619	1620	3160	6340	14.3K	34K	80.6K	324K	1.00
75.0	267	634	1650	3240	6490	14.7K	35.7K	82.5K	332K	1.02
80.6	274	649	1690	3320	6810	15K	36.5K	90.9K	340K	1.05
82.5	294	665	1740	3400	6980	15.4K	38.3K	97.6K	348K	1.07
90.9	301	681	1780	3480	7150	16.2K	39.2K	100K	365K	1.10
100	309	698	1820	3570	7500	16.9K	40.2K	110K	392K	1.18
102	316	715	1910	3650	7680	17.8K	42.2K	121K	402K	1.21
105	332	750	1960	3740	7870	18.2K	43.2K	133K	464K	1.43
113	348	806	2000	3920	8060	19.6K	45.3K	150K	475K	1.50
121	365	825	2050	4020	8250	20K	46.4K	162K	487K	
130	383	909	2100	4220	8450	20.5K	47.5K	178K	499K	
133	392	953	2150	4320	8660	21.5K	48.7K	182K	511K	

DALE SERIES RH 1% POWER RESISTORS



Sealed in silicone and housed in radiator-finned aluminum housings that mount on chassis for maximum heat dissipation. Impervious to moisture and salt spray. Welded construction. Temp. coeff., 0.00002/°C. Meet MIL-R-18546C. Specify values from Table "D" when ordering.

TYPE RH-5—5-WATT .320x .334x .600

Stock No.	Values—See Table "D" Below	EACH
26 MM 925	1 ohm to 1000 ohms	1.92
26 MM 926	1100 to 5000	2.01
26 MM 927	6000 to 10K	2.18
26 MM 928	11K and 12K	2.34
26 MM 929	12.5K to 15K	2.54
26 MM 930	17.5K to 20K	2.72

TYPE RH-10—10-WATT. MIL-TYPE RE65 .380x .420.x 1.375

Stock No.	Value—See Table "D" Below	EACH
26 MM 352	1 to 1000	1.82
26 MM 353	1100 to 5000	1.91
26 MM 354	6000 to 10K	2.08
26 MM 355	11K and 12K	2.24
26 MM 356	12.5K to 15K	2.44
26 MM 357	17.5K to 25K	2.62
26 MM 358	27.5K to 30K	2.90

TABLE "D" STOCK VALUES

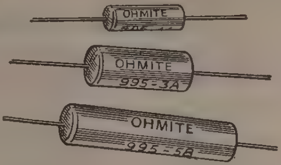
SPECIFY VALUES WANTED

Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm
1	8	30	85	225	470	900	1750	4500	9000	20K
1.5	10	35	90	250	500	1000	1800	4700	10K	22.5K
2	12	40	100	270	560	1100	2000	5000	11K	25K
2.5	12.5	45	110	300	600	1200	2200	6000	12K	27.5K
3	13	47	125	330	620	1250	2500	6800	12.5K	30K
4	14	50	150	350	650	1300	3000	7000	13K	
4.5	15	60	175	375	700	1400	3100	7500	14K	
5	17.5	70	180	390	750	1500	3500	8000	15K	
6	20	75	200	400	800	1600	4000	8200	17.5K	
7.5	25	80	220	450	850					

Ohmite and Sprague Wirewound Resistors

OHMITE RESISTORS

SERIES 99 VITREOUS ENAMEL RESISTORS



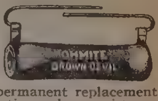
Ohmite presents the first resistors to feature molded vitreous enamel insulating coating. Incorporate all the advantages of standard vitreous enamel resistors, plus: uniform size—mount in fuse-type clips for advantageous heat-sink effect which allows up to 100% wattage increase; uniform insulation thickness provides 1000 VAC insulation breakdown rating; identifying markings are fired right onto the coating—will not rub off or dissolve even with powerful active solvents used for degreasing and flux removal. All Series 99 resistors have consistent size and shape. Densely molded jacket will not chip where leads enter the resistor body. Axial-type terminal leads and resistance wire are welded to metal end-caps which fit snugly over the core ends Will withstand high humidity and immersion in salt solution. All wattage ratings are based on a maximum hot-spot temperature of 350°C at 25°C ambient. All have 1½" leads, tinned for easy solder connections. Resistance tolerance, ±5%. Designed to meet **MIL-R-26C** specifications for **RW57, RW58, RW59, RW67, RW68, RW69.** Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Wattage	Values See Table "A"	EACH
26 MM 088	995-1A	1.5	1 to 1000 ohms	.62
26 MM 089	995-1A	1.5	1100 to 3000 ohms	.66
26 MM 090	995-3A	3	1 to 1000 ohms	.59
26 MM 091	995-3A	3	1100 to 5000 ohms	.62
26 MM 092	995-3A	3	5100 to 10K	.66
26 MM 115	995-5B	5	1 to 1000 ohms	.62
26 MM 116	995-5B	5	1100 to 5000 ohms	.66
26 MM 117	995-5B	5	5100 to 10K	.70
26 MM 118	995-5B	5	11K to 18K	.78
26 MM 119	995-5B	5	22K to 25K	.82
26 MM 122	995-10A	11	1 to 1000 ohms	.68
26 MM 123	995-10A	11	1100 to 5000 ohms	.73
26 MM 124	995-10A	11	5100 to 10K	.84
26 MM 125	995-10A	11	11K to 20K	.95
26 MM 126	995-10A	11	22K to 40K	1.00
26 MM 127	995-10A	11	43K to 51K	1.12

TABLE "A"—VALUES FOR SERIES 99 RESISTORS

Ohm	Ohm	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1.0	4.0	15	47	180	500	1300	3900	8200	24K
1.1	4.3	16	50	200	510	1400	4000	9000	25K
1.2	4.7	18	51	220	560	1500	4300	9100	27K
1.3	5.0	20	56	240	600	1600	4500	10K	30K
1.5	5.1	22	62	250	620	1800	4700	11K	33K
1.6	5.6	24	68	270	680	2000	5000	12K	35K
1.8	6.2	25	75	300	700	2200	5100	13K	36K
2.0	6.8	27	82	330	750	2400	5600	14K	39K
2.2	7.5	30	91	350	800	2500	6000	15K	40K
2.4	8.2	33	100	360	820	2700	6200	16K	43K
2.7	9.1	35	110	390	900	3000	6800	17K	45K
3.0	10	36	120	400	910	3300	7000	18K	47K
3.3	11	39	130	430	1000	3500	7500	20K	50K
3.6	12	40	150	450	1100	3600	8000	22K	51K
3.9	13	43	160	470	1200				

FAMOUS "BROWN DEVIL" WIREWOUND RESISTORS



- Thick Vitreous Enamel Coating for Excellent Heat Conduction and Insulation
- 8, 12 and 20-Watt Power Ratings

Popular high-quality, compact wirewound resistors. Ideal for use in transmitters, bias supplies, electronic and industrial equipment, permanent replacement units in radio and television receivers; in applications where resistance need not be varied. Thick vitreous enamel coating provides excellent heat conduction and insulation, as well as protection against the harmful effects of humidity and moisture. Have standard resistance tolerance of ±5%. Sizes: 8-watt units, 1x5/16"; 12-watt units, 1¾x5/16"; 20-watt units, 2x7/16". Resistors have tinned leads for easy soldering. Lead length, 1½". Av. shpg. wt., 3 oz. **"Brown Devil" resistors are available in values shown in Table "B" below—be sure to specify values wanted when ordering.**

8-WATT SIZE (SEE TABLE "B" BELOW FOR VALUES)

Available in all values to 10K

Stock No.	Ohms	EACH	Stock No.	Ohms	EACH
25 MM 730	1 to 1000	52¢	25 MM 732	6000 to 10K	58¢
25 MM 731	1100 to 5000	55¢			

12-WATT SIZE (SEE TABLE "B" BELOW FOR VALUES)

Available in all values to 50K

Stock No.	Ohms	EACH	Stock No.	Ohms	EACH
25 MM 700	1 to 1000	57¢	25 MM 703	12.5K to 20K	79¢
25 MM 701	1100 to 5000	61¢	25 MM 704	25K to 40K	83¢
25 MM 702	6000 to 10K	70¢	25 MM 705	45K and 50K	93¢

20-WATT SIZE (SEE TABLE "B" BELOW FOR VALUES)

Available in all values except those marked * in table "B" below.

Stock No.	Ohms	EACH	Stock No.	Ohms	EACH
25 MM 720	1 to 1000	68¢	25 MM 724	25K to 40K	.99
25 MM 721	1200 to 5000	70¢	25 MM 725	45K to 60K	1.15
25 MM 722	6000 to 10K	83¢	25 MM 726	65K to 80K	1.37
25 MM 723	12.5K to 20K	85¢	25 MM 727	85K to 100K	1.57

TABLE "B" VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	30*	350	1250	7,000	45K
1.5*	35*	400	1500	7,500	50K
2	40*	450*	1750	8,000	55K
3	50	500	2000	9,000	60K
4	75	600*	2250	10K	65K
5	100	700	2500	12.5K	70K
7.5*	125*	750	3000	15K	75K
10	150	800	3500	20K	80K
12*	200	900	4000	25K	85K
15*	225*	1000	4500	30K	90K
20*	250	1100*	5000	35K	95K
25	300	1200	6000	40K	100K

SPRAGUE "KOOLOHM" WIREWOUND POWER RESISTORS

- Completely Insulated Nonporous Ceramic Shells
- Burn-in Test Stabilizes Resistance
- Handle Hot-spot Temperatures Up to 340°C

Improved versions of the famous "KT" and "NIT" wirewound series. Have smaller size than older units. Designed to withstand severe duty cycles encountered in heavy-duty industrial electronic equipment. Feature final "burn-in" test which stabilizes resistance value on full load. Wire is space-wound and cemented to prevent turn-to-turn shorting. Ceramic insulated wire and outer shells provide a completely insulated surface against any contact as well as complete moistureproofing—an important factor in extending resistor life. Can be mounted in direct contact with chassis or grounded parts without danger of a short circuit. Windings and leads are welded to end-cap for superior mechanical strength. Nonporous ceramic shells are sealed with high-temperature silicone cement. Units have ±5% tolerance Handle hot-spot temperatures up to 340°C. Av. shpg. wt., 2 oz. **Available in values shown in Table "C" at right—be sure to specify values wanted.**

TYPE 450E—3 WATT (STANDARD) 9/16x1/4″ dia.

Stock No.	Stock Values See Table "C" Above, Right	EACH
25 MM 901	1 to 1000 except 35, 350, 450 ohms	35¢
25 MM 902	1200 to 4000 except 3500 ohms	43¢
25 MM 906	6000, 9000, 10K	47¢

TYPE 452E—5 WATT (STANDARD) 1x1/4″ dia.

25 MM 910	1 to 1000 ohms	37¢
25 MM 911	1100 to 5000 ohms, except 3300, 3900	41¢
25 MM 917	6000, 7500, 8000, 10K	44¢
25 MM 921	12K to 20K	57¢

TYPE 453E—5 WATT (NON-INDUCTIVE) 1x1/4″ dia.

25 MM 925	1 to 1000 ohms	54¢
25 MM 926	1100 to 4000 ohms except 3300, 3900	61¢

Nonporous Ceramic Outer Shell plus Rugged Internal Design Provide Excellent Insulation and Strength

SPRAGUE
KOOLOHM
10K 10W

TABLE "C"—VALUES FOR "KOOLOHM" RESISTORS

STOCK VALUES (OHMS)—SPECIFY VALUES WANTED

Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm
1	7.5	30	120	350	700	1200	2200	3900	7000	12K
1.5	10	35	150	400	800	1400	2500	4000	7500	15K
2	12	40	200	450	900	1500	3000	4500	8000	20K
3	15	50	220	500	1000	1800	3300	5000	9000	25K
4	20	75	250	600	1100	2000	3500	6000	10K	30K
5	25	100	300							

TYPE 456E—10 WATT (STANDARD) 1-29/32x15/32″ dia.

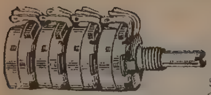
Stock No.	Stock Values See Table "C" Above	EACH
25 MM 929	1 to 1000 ohms except 450	44¢
25 MM 930	1100 to 5000 ohms	47¢
25 MM 936	6000, 7500, 8000, 10K	53¢
25 MM 939	12K to 20K	63¢
25 MM 942	25K and 30K	77¢

TYPE 457E—10 WATT (NON-INDUCTIVE) 129/32x15/32″ dia.

Stock No.	Values -See Table "C" Above	EACH
25 MM 948	1 to 1000 ohms except 450	63¢
25 MM 949	1100 to 5000 ohms	70¢
25 MM 958	6000 to 10K	90¢

Allied Is Your Best Source for Electronic Supplies. You Get Immediate Shipment from the World's Most Complete Stocks.

Multi-Purpose IRC-CTS Controls



SERIES 45 ½-WATT CONTROLS

Choice of 12,631,500 Combinations

Select the control you need from a choice of 12,631,500 possible combinations. Available with up to 4 sections—see ordering instructions below. Tolerance, ±20%. Rated ½-watt through 10K, ⅓-watt through 100K ohms, and ¼ watt over 100K ohms up to a maximum of 500 VDC across end terminals. Switches rated 3 amps at 125 v., 1 amp at 250 v.; DPST switch also rated 5 amps at 20 v. U.L. Listed. Have ¼"-diameter brass shafts, ⅜ diameter threaded bushings. Size behind panel; single sections, 31⁄64"; dual sections, 61⁄64"; triple sections, 1⁴⁄64"; quadruple sections, 1⁵⁄64". Add 33⁄64" for switch. Av. shpg. wt., per section, 3 oz.

ORDERING INSTRUCTIONS

TO EXPEDITE SERVICE, YOUR ORDER SHOULD INCLUDE BOTH ALLIED'S STOCK NO. AND THE COMPLETE TYPE NO.

TO CONSTRUCT TYPE NO.:

1. Begin with 45 to identify Series 45 controls.
2. Indicate part number of desired value and taper for single control, or first (panel) section of multi-section control, from "A" columns at right.
3. Indicate part numbers of desired values and tapers for second, third and fourth sections of multi-section control, from "B" columns at right—one number for each section. Use only as many part numbers as sections desired. A 3-section control, for example, would have two part numbers from "B" columns, one from "A" columns.
4. Indicate S, for SPST switch, or D, for DPST switch. Omit if no switch is desired.
5. Indicate part number of shaft having desired length and end trim, from "C" column at right.

TO FIND STOCK NO.: See Stock Number chart at right.

EXAMPLES:

Stock No. 28 MM 889, Type 45 D501 D07. This is a Series 45 single control, 500 ohms, linear taper, with DPST switch and 1" flatted shaft.

Stock No. 28 MM 892, Type No. 45 A103 MD102 MA205 18. This is a Series 45 triple-section control; 10K log taper first section, 1000-ohm linear taper second section, 2-meg log taper third section; with no switch and a 1" knurled shaft.

TYPE NUMBER SELECTION CHART

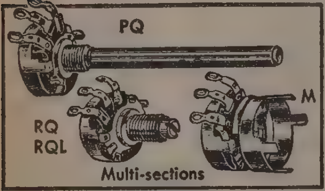
*Indicates screwdriver slot; #length from mounting surface. **Instructions at left describe the use of this chart and the Stock Number chart below used when ordering Series 45 controls.**

Ohms (First Section)	A Single Control or First Section Select One Log Taper	 Linear Taper	Ohms (Additional Sections)	B Second, Third, and Fourth Section Select One, Two, or Three Log Taper	 Linear Taper	C Shaft No (Select One)	Shaft Description Length FMS #	 End Trim
500	....	D501	500	......	MD501	01	½"	*SD Slot
1000	....	D102	1000	......	MD102	02	⅝"	*SD Slot
2000	....	D202	2000	......	MD202	03	¾"	*SD Slot
3000	....	D302	3000	......	MD302	04	⅞"	*SD Slot
5000	....	D502	5000	......	MD502	05	1"	*SD Slot
10K	A103	D103	10K	......	MD103	06	⅞"	Flatted
20K	....	D203	20K	......	......	07	1"	Flatted
25K	....	D253	25K	......	MD253	08	1⅛"	Flatted
50K	A503	D503	50K	......	MD503	09	1¼"	Flatted
100K	A104	D104	100K	MA104	MD104	10	1⅜"	Flatted
200K	....	D204	200K	......	......	11	1½"	Flatted
250K	A254	D254	250K	MA254	MD254	12	1⅝"	Flatted
500K	A504	D504	500K	MA504	MD504	13	1¾"	Flatted
1 Meg.	A105	D105	1 Meg.	MA105	MD105	14	1⅞"	Flatted
2 Meg.	A205	D205	2 Meg.	MA205	MD205	15	2"	Flatted
3 Meg.	A305	....	3 Meg.	......	......	16	2"	Round
5 Meg.	....	D505	5 Meg.	......	MD505	17	3"	Round
10 Meg.	....	D106	10 Meg.	......	MD106	18	1"	Knurled
						19	1¼"	Knurled
						20	1½"	Knurled

STOCK NUMBERS—INCLUDE COMPLETE TYPE NO.

Stock No.	Control	Switch	EACH
28 MM 888	Single	None	1.16
28 MM 889	Single	SPST or DPST	1.68
28 MM 890	Dual	None	2.08
28 MM 891	Dual	SPST or DPST	2.60
28 MM 892	Triple	None	3.00
28 MM 893	Triple	SPST or DPST	3.28
28 MM 894	Quadruple	None	3.92
28 MM 895	Quadruple	SPST or DPST	4.20

SERIES PQ, RQ, RQL AND M CONTROLS



These versatile controls have a smooth carbon base element and "two-finger" wiper arm of thin, high-stress alloy—assures good contact and low noise. Type M multi-sections can easily be added to PQ, RQ or RQL types; permit exact "tailoring" of dual, triple and quadruple units. Special-purpose controls can be made up by using a Type PQ, RQ or RQL with several M multisections and a Type 76 switch (listed at left). Types PQ, RQ and RQL have ⅜" threaded bushing. Body diameter less terminals is 15⁄16" maximum; body diameter including terminals is 1 5⁄16" maximum; depth behind panel, 33⁄64". Each Type M multisection adds 19⁄32" to the depth.

Type PQ, RQ, RQL and M sections feature 300 degree arc of rotation—with or without switch. Power rating is ½ watt, 500 volt maximum.

PQ types have shaft 3" long, ¼" diameter. RQ and RQL types have short shaft with screwdriver slot; shaft extends ⅛" beyond threaded bushing. Types RQ and RQL are identical except RQL has split bushing and locking nut—for permanent, vibration-proof settings. Tolerance of all types is ±10%. Tinned terminals.

Ground plate on Types PQ, RQ and RQL has 2 locating tabs that may be bent down out of the way, if not needed. Av. shpg. wt., 4 oz. See **Explanation of Tapers** at left.

Mfr's Type	Ohms	Taper	Stock No. PQ	Stock No. RQ	Stock No. RQL	Stock No. M
11 103	500	A	30 M 510	30 M 542	29 M 271	30 M 592
11-108	1000	A	30 M 511	30 M 543	29 M 272	30 M 574
11-110	2000	A	30 M 512	30 M 544	29 M 273	30 M 593
11-112	3000	A	30 M 513	30 M 545	29 M 274	30 M 598
11-114	5000	A	30 M 514	30 M 546	29 M 275	30 M 575
11 115	7500	A	30 M 515	....	....	....
11-116	10K	A	30 M 516	30 M 548	29 M 276	30 M 576
13-116	10K	C	30 M 517	....	....	....
17-116	10K	Q	....	....	....	30 M 599
11-119	20K	A	30 M 519	....	29 M 277	....
11-120	25K	A	30 M 520	....	29 M 278	30 M 577
11-121	30K	A	30 M 522	....	29 M 279	30 M 596
11-123	50K	A	30 M 523	30 M 555	29 M 280	30 M 578
13-123	50K	C	30 M 524	....	....	....
11-128	100K	A	30 M 526	30 M 558	29 M 282	30 M 579
13-128	100K	C	30 M 527	....	....	30 M 580
11-129	200K	A	....	....	29 M 283	....
11-130	250K	A	30 M 528	30 M 560	29 M 284	30 M 581
13-130	250K	C	30 M 529	....	....	30 M 582
11-133	500K	A	30 M 530	30 M 562	29 M 286	30 M 583
13-133	500K	C	30 M 531	30 M 563	29 M 287	30 M 584
11-137	1.0 meg	A	30 M 532	30 M 564	29 M 288	30 M 585
13-137	1.0 meg	C	30 M 533	....	29 M 289	30 M 586
11-138	1.5 meg	A	30 M 534	30 M 566	29 M 290	....
11-139	2.0 meg	A	30 M 535	30 M 567	29 M 291	30 M 587
11-140	3.0 meg	A	30 M 538	30 M 570	....	....
13-140	3.0 meg	C	30 M 539	....	....	30 M 594
17-140	3.0 meg	Q	....	....	....	30 M 597
11-141	5.0 meg	A	30 M 540	30 M 572	29 M 295	30 M 589
11-143	10.0 meg	A	30 M 541	30 M 573	29 M 296	30 M 590

PQ and RQ Controls	**Each 1.44**
M Multisections	**Each 1.35**
RQL Controls	**Each 1.56**

TYPE 76 ATTACHABLE SWITCHES FOR PQ, RQ, RQL AND M CONTROLS

Can be easily attached to controls listed at right by bending down four metal tabs. Switch housings are made of arc-resistant material. Terminals are hydraulically staked—no openings for solder to run into switch. Units have silver-plated alloy contacts.

Type 76-4 is make-one, break-one type for CRT spot killing. Type 76-1 handles up to 5 amps @ 125 v.; Type 76-2 is rated 1 amp @ 125 v. Shpg. wt., 2 oz.

30 M 359. Type 76-1. SPST.... **Each 60c**
30 M 591. Type 76-2. DPST.... **Each 60¢**
30 M 888. Type 76-4. SPDT.... **Each 75¢**

EXPLANATION OF TAPERS

Taper A. Linear curve for uniform resistance change.

Taper C. Logarithmic curve for audio circuit central or antenna shunt control.

Taper D. Tapered at both ends to provide control of grid bias or antenna circuit. Used where control of the grid bias is of prime importance in regulating the gain.

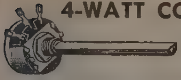
Taper H. Tapped logarithmic. Audio level control for bass compensation.

Taper Q. Logarithmic curve with reverse taper for TV contrast and picture control.

Taper S. Special taper based on specific specifications.

IRC–CTS Controls and Bourns Potentiometers

IRC-CTS WIREWOUND 4-WATT CONTROLS



Rugged 4-watt controls. All have linear taper, except: Types with L after ohms have left-hand logarithmic taper for TV focus; R right-hand for picture contrast. Rotation, 300°. 1¼" dia., 23/32" deep; threaded bushing ⅜" dia., ⅜" long. Nickel-plated brass shafts, ¼" dia. Type WP has round shaft, 3" long; WPK 3" long "Knob Master" shaft; WPS has ¾" long shaft, knurled at end and slotted. **Specify Type and Ohms.** 4 oz.

TYPE WPK CONTROLS

Ohms	Ohms	Ohms	Ohms	Ohms
10	300	750R	2000L	5000L
20	400	1000	2250L	6000
30	500	1350	2500	6000L
50	600	1350R	2500R	7500
100	650	1500	3000	7500L
200	750	1500L	4000L	10K
250	750L	2000	5000	

30 MM 216 .... **Each** 1.32

12.5K	15K	20K	25K	....

30 MM 199 .... **Each** 1.59

30K	40K	50K	......	....

30 MM 856 .... **Each** 1.83

TYPE WPS CONTROLS

25	500	1500	2250L	4000
40	500L	2000	2500	4000L
60	1000	2250	3000	5000
250	....	....	....	....

30 MM 217 .... **Each** 1.32

TYPE WP CONTROLS

2	15	60	400	2500
3	20	75	500	3000
5	25	100	750	4000
6	30	200	1000	5000
8	40	250	1500	7500
10	50	300	2000	10K

30 MM 215 .... **Each** 1.32

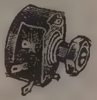
15K	20K	25K	....	....

30 MM 857 .... **Each** 1.59

30K	40K	50K	....	....

30 MM 858 .... **Each** 1.83

TYPE WPRL CONTROLS



Locking-type controls with screw-driver slot shaft, ¼" dia. and approximately ½" long from mounting face. With ⅜" locking-type bushing and locking nut. Linear taper. **Specify Type and Ohms.** Shpg. wt., 4 oz.

Ohms	Ohms	Ohms	Ohms	Ohms
2	15	60	400	2500
3	20	75	500	3000
5	25	100	750	4000
6	30	200	1000	5000
8	40	250	1500	7500
10	50	300	2000	10K

30 MM 859 .... **Each** 1.56

15K	20K	25K	....	....

30 MM 889 .... **Each** 1.83

30K	40K	50K	....	....

30 MM 890 .... **Each** 2.04

SWITCHES FOR ABOVE CONTROLS

30 M 218. Type 76-11. SPST, 2 oz. . . . .75¢
30 M 219. Type 76-12. DPST, 2 oz. . . . .75¢

TYPE WM MULTISECTION CONTROLS

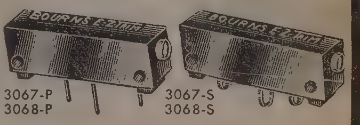
Ruggedly constructed 4-watt "add-on" control sections. Can be attached to the WPK, WPS, WP or WPRL controls, listed above, to form dual control units. All have linear taper, except * 7500-ohm unit has left-hand logarithmic taper for TV focus. ⅝" deep. **Specify Type and Ohms.** Shpg. wt., 2 oz.

Ohms	Ohms	Ohms	Ohms	Ohms
50	250	1500	3000	7500*
100	500	2000	5000	10K
200	1000	2500	....	....

30MM 860 .... **Each** 1.32

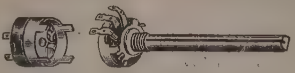
BOURNS E-Z TRIM® POTENTIOMETERS

Types 3067 and 3068. Type 3067: ½-watt, 15-turn. Type 3068: 1/5-watt, 15-turn. Type 3068 has carbon-resistance element. Type 3067 has wirewound element. 15-turn adjustment and self-locking shafts for stable and precise electrical settings. Wipers idle at both ends of travel. *Printed circuit pin. †Solder lugs. Mounting centers, 53/64". ⅜x1x17/64". **Specify resistance values when ordering.** Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Values Available (Ohms)—Specify Values	EACH
31 MM 636	†3067-S	50, 100, 200, 500, 1000, 2000, 5000, 10K, 20K	1.85
31 MM 637	*3067-P	50, 100, 200, 500, 1000, 2000, 5000, 10K, 20K	
31 MM 638	†3068-S	20K, 50K, 100K, 200K, 500K, 750K, 1 meg.	
31 MM 639	*3068-P	20K, 50K, 100K, 200K, 500K, 750K, 1 meg.	

IRC-CTS Q CONTROLS WITH UNIVERSAL SHAFTS



Knurled, flatted and slotted. 3" universal shaft can be cut to desired length. 15/16" body dia. ⅜" bushing, ¼" long. To gang, use WM multisections, lower left. *Includes 270 ohm, ½-watt bias resistor. Less switches (below). Taper explanations below. Av. wt., 4 oz.

Stock No.	Type	Ohms	Taper
30 M 395	Q11-201	250	A
30 M 300	Q11-103	500	A
30 M 377	Q11-105	750	A
30 M 441	Q17-105	750	P
30 M 301	Q11-108	1000	A
30 M 442	Q11-109	1500	A
30 M 302	Q11-110	2000	A
30 M 373	Q13-111	2500	C
30 M 303	Q11-112	3000	A
30 M 304	Q11-114	5000	A
30 M 383	Q13-114	5000	C
30 M 384	Q17-114	5000	Q
30 M 305	Q11-115	7500	A
30 M 306	Q11-116	10K	A
30 M 307	Q13-116	10K	C
30 M 308	Q14-116*	10K	D
30 M 385	Q17-116	10K	Q
30 M 309	Q11-119	20K	A
30 M 311	Q11-120	25K	A
30 M 443	Q13-120	25K	C
30 M 314	Q11-123	50K	A
30 M 315	Q13-123	50K	C
30 M 316	Q14-123*	50K	D
30 M 387	Q11-125	75K	A
30 M 317	Q11-128	100K	A
30 M 318	Q13-128	100K	C
30 M 388	Q11-228	125K	A
30 M 374	Q11-129	200K	A
30 M 319	Q11-130	250K	A
30 M 320	Q13-130	250K	C
30 M 445	Q11-131	300K	A
30 M 321	Q13-132	350K	C
30 M 322	Q11-133	500K	A
30 M 323	Q13-133	500K	C
30 M 324	Q14-133	500K	D
30 M 397	Q17-133	500K	Q
30 M 398	Q11-134	600K	A
30 M 390	Q11-136	750K	A
30 M 325	Q11-137	1 meg	A
30 M 326	Q13-137	1 meg	C
30 M 327	Q14-137	1 meg	D
30 M 877	Q17-137	1 meg	Q
30 M 328	Q11-138	1.5 meg	A
30 M 329	Q11-139	2 meg	A
30 M 330	Q13-139	2 meg	C
30 M 331	Q11-239	2.5 meg	A
30 M 332	Q11-140	3 meg	A
30 M 333	Q13-140	3 meg	C
30 M 446	Q17-140	3 meg	Q
30 M 334	Q11-141	5 meg	A
30 M 393	Q17-141	5 meg	Q
30 M 335	Q11-143	10 meg	A

EACH 1.02

TAPPED Q CONTROLS WITH UNIVERSAL SHAFTS

Same specs as the Q controls listed above, but with taps, as shown in the table, below. Less Type 76 switches, below. For ganged controls, use with Type WM Multi-Sections at lower left. For explanation of tapers, see box below and preceding page. Av. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Ohms †Megs	Taps Ohms	Taper
30 M 879	Q13-118X	15K	10K	Spec.
30 M 337	Q18-130X	250K	60K	H
30 M 342	Q17-133X	500K	25K	Spec.
30 M 343	Q18-133X	500K	50K	Spec.
30 M 344	Q19-133X	500K	250K	Spec.
30 M 345	Q18-133XX	500K	100K/ 200K	Spec.
30 M 346	Q13-137X	1.0†	250K	H
30 M 349	Q18-137X	1.0†	100K	Spec.
30 M 350	Q18-137XX	1.0†	250K/ 500K	Spec.
30 M 351	Q19-137X	1.0†	500K	Spec.
30 M 352	QVC-539X	1.0†	500K	Spec.
30 M 357	Q18-139XX	2.0†	250K/ 500K	Spec.
30 M 353	Q13-139X	2.0†	500K	H
30 M 356	Q18-139X	2.0†	1 Meg	Spec.

EACH 1.44

TYPE 76 ATTACHABLE SWITCHES FOR Q CONTROLS

Blue bakelite enclosure. Easily attached. Type 76-4 is make-one, break-one for TV spot-killing. U.L. Approved. Shpg. wt., 2 oz.

30 M 359. Type 76-1. SPST........60¢
30 M 591. Type 76-2. DPST........60¢
30 M 888. Type 76-4. SPDT........75¢

EXPLANATION OF TAPERS

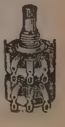
Taper A. Linear.

Taper C. Logarithmic curve for audio circuit control or antenna shunt control.

Taper D. Tapered at both ends to provide control of grid bias and antenna circuit.

Taper P and Q. Semi-logarithmic curve with reverse taper. For use in contrast and picture control circuits in television.

IRC-CTS TYPE QJ-3 TV SIGNAL ATTENUATOR

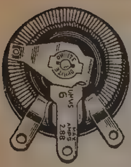


L-pad TV signal attenuator for sets with 300-ohm twin-line input. Minimizes interstation interference, definition loss, and sound bars due to excessive signal strength. Diminishes buzz or hum due to high-signal level in intercarrier systems. Reduces overloading effects in strong signal area. Often corrects or reduces horizontal or vertical jitters; also picture and sound "breakover." With mtg. bracket. ⅞" dia. 1" deep. ½" dia. shaft. 1" long. Shpg. wt., 3 oz.

29 M 915 .... 2.64

Ohmite, Mallory and Centralab Controls

OHMITE WIREWOUND RHEOSTATS



Smooth, dependable controls with solid ceramic cores. Each turn, core and base is bonded by porcelain vitreous enamel. Shunt pigtail carries current to slip-ring. Ceramic hub insulates shaft and bushing. Have copper-graphite contact brushes, except *silver-graphite. Tempered-steel contact arm construction, 300° rotation. Ratings are at full setting. Both types mount on panels up to ¼″ thick with ⅜″-32 bushing and hex nut; Non-turn lug takes ³⁄₁₆″ hole, ½″ below center of shaft. Control has shaft diameter of ¼″. Specifications: Type H—diameter, 1⁹⁄₁₆″, depth required behind panel, 1⅜″; Type J—diameter, 2⁵⁄₁₆″, depth behind panel, 1⅜″. All are less knobs and dial plates (see listing below). Av. shpg. wt., 10 oz.

25 WATT—TYPE H

Stock No.	Mfr's Type	Res. Ohms	EACH	Stock No.	Mfr's Type	Res. Ohms	EACH
31 M 223	0140*	1	4.63	31 M 237	0152	125	4.11
31 M 224	0141	2		31 M 238	0153	175	
31 M 225	0142	3		31 M 239	0154	250	
31 M 226	0143	6		31 M 240	0155	350	
31 M 227	0144	8		31 M 241	0156	500	
31 M 228	0145	10		31 M 242	0157	750	
31 M 229	0146	15	4.11	31 M 244	0158	1000	4.63
31 M 230	0147	25		31 M 245	0159	1500	
31 M 231	0148	35		31 M 246	0160	2500	
31 M 232	0149	50		31 M 247	0161	3500	4.90
31 M 234	0150	75		31 M 248	0162	5000	
31 M 236	0151	100					

50 WATT—TYPE J

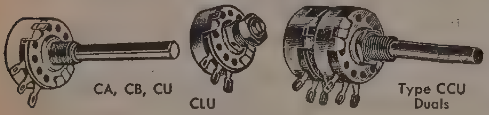
Stock No.	Mfr's Type	Res. Ohms	EACH	Stock No.	Mfr's Type	Res. Ohms	EACH
31 M 249	0308*	0.5	5.15	31 M 262	0321	150	4.63
31 M 250	0309*	1		31 M 263	0322	225	4.63
31 M 251	0310*	2		31 M 264	0323	300	4.63
31 M 252	0311	4		31 M 265	0324	500	4.63
31 M 253	0312	6		31 M 266	0325	800	4.90
31 M 254	0313	8	4.63	31 M 267	0326	1000	4.90
31 M 255	0314	12		31 M 268	0327	1600	
31 M 256	0315	16		31 M 269	0328	2500	
31 M 257	0316	22		31 M 270	0329	3500	5.15
31 M 258	0317	35		31 M 271	0330	5000	
31 M 259	0318	50		31 M 272	0331	8000	
31 M 260	0319	80		31 M 273	0332	10K	
31 M 261	0320	125					

KNOBS AND DIAL PLATE FOR RHEOSTATS

Type 5150. Black bakelite knobs for above Types H and J Ohmite rheostats. Fluted design matches most equipment. Wt., 5 oz.
31 M 944 .... 29c

Type 5000. Matching dial plate for Types H and J rheostats and knobs, above. 2⁵⁄₁₆″ diameter. 0-100 scale. 2 oz.
31 M 945 .... 29c

OHMITE "AB" TWO-WATT POTENTIOMETERS



Sealed element, carbon slider for noise-free operation. ⅜″ hole mtg. to ¼″ panels. ¼″ shaft, 2″ long except CLU locking slotted shaft. Linear taper except * clockwise log. † counter-clockwise log. ±10% except ‡ ±20%. Wt., 5 oz.

TYPES CA, CB, CU (Size: 1 ⁵⁄₃₂″ dia. x ⅝″)

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
28 M 500	CU5001	50	1.95	28 M 512	CB5031†	50K	2.25
28 M 501	CU1011	100		28 M 604	CU7531	75K	1.95
28 M 596	CU1511	150		28 M 513	CU1041	100K	1.95
28 M 502	CU2511	250		28 M 514	CA1041*	100K	2.25
28 M 597	CU3511	350		28 M 605	CU1541	150K	1.95
28 M 503	CU5011	500	1.95	28 M 515	CU2541	250K	1.95
28 M 598	CU7511	750		28 M 516	CA2541*	250K	2.25
28 M 504	CU1021	1000		28 M 606	CU3541	350K	1.95
28 M 599	CU1521	1500		28 M 517	CU5041	500K	1.95
28 M 505	CU2521	2500		28 M 518	CA5041*	500K	2.25
28 M 600	CU3521	3500	1.95	28 M 607	CU7542	750K‡	1.95
28 M 506	CU5021	5000	1.95	28 M 519	CU1052	1 meg‡	1.95
28 M 601	CU7521	7500	1.95	28 M 520	CA1052*	1 meg‡	2.25
28 M 507	CU1031	10K	1.95	28 M 608	CU1552	1.5 meg‡	1.95
28 M 508	CB1031†	10K	2.25	28 M 548	CU2052	2.0 meg‡	1.95
28 M 602	CU1531	15K	1.95	28 M 521	CU2552	2.5 meg‡	1.95
28 M 509	CU2531	25K	1.95	28 M 522	CA2552*	2.5 meg‡	2.25
28 M 510	CB2531†	25K	2.25	28 M 609	CU3552	3.5 meg	1.95
28 M 603	CU3531	35K	1.95	28 M 523	CU5052	5.0 meg‡	1.95
28 M 511	CU5031	50K	1.95				

TYPE CLU—WITH LOCKING SHAFT (Size: 1 ⁵⁄₃₂″ dia. x ⅝″)

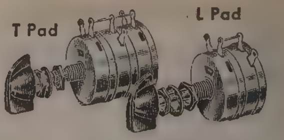
28 M 525	CLU5001	50	2.55	28 M 534	CLU5031	50K	2.55
28 M 526	CLU1011	100		28 M 535	CLU1041	.1 meg	
28 M 527	CLU2511	250		28 M 536	CLU2541	.25 meg	
28 M 528	CLU5011	500		27 M 537	CLU5041	.5 meg	
28 M 529	CLU1021	1000		28 M 538	CLU1052	1.0 meg‡	
28 M 530	CLU2521	2500		28 M 549	CLU2052	2.0 meg‡	
28 M 531	CLU5021	5000		28 M 539	CLU2552	2.5 meg‡	
28 M 532	CLU1031	10K		28 M 540	CLU5052	5.0 meg‡	
28 M 533	CLU2531	25K					

TYPE CCU DUALS (Size: 1 ⁵⁄₃₂″ dia. x 1¹³⁄₆₄″)

28 M 541	CCU1031	10K	5.85	28 M 545	CCU2541	250K	5.85
28 M 542	CCU2531	25K		28 M 546	CCU5041	500K	
28 M 543	CCU5031	50K		28 M 547	CCU1052	1 meg‡	
28 M 544	CCU1041	100K					

28 M 524. CS-1 SPST Switch. For AB pots, except CCU types. 3 oz. .... 66¢

MALLORY CONTROLS



SPEAKER CONTROLS

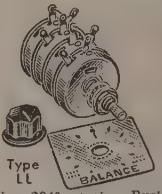
Constant-load attenuator pads. Widely used to control the level of low-impedance audio circuits in sound systems. Rated at 4 watts, continuous DC; 15 w. peak audio. Have 2″ shafts. Bushing size: ⅜x⅜″ diameter. Supplied with bar knob, 0-10 dial plate and wiring instructions. Av. shpg. wt., 7 oz.

T-Pad Attenuators. Present constant source impedance as well as constant load at all control settings. Size: 1⅝″ dia. 1¹¹⁄₁₆″ deep.

Stock No.	Type	Ohms	EACH
29 M 869	T4	4	3.54
29 M 871	T8	8	
29 M 672	T15	15	
29 M 873	T50	50	
29 M 876	T500	500	3.54
29 M 866	T600	600	
29 M 877	T2000	2000	

L-Pad Attenuators. Present a constant load impedance at all control settings. Size: 1⅝″ diameter, 1⅛″ deep.

Stock No.	Type	Ohms	EACH
29 M 884	L4	4	2.73
29 M 892	L8	8	
29 M 886	L15	15	
29 M 887	L50	50	
29 M 890	L500	500	2.73
29 M 921	L600	600	
29 M 891	L2000	2000	
29 M 708	L4000	4000	

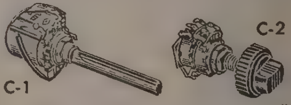


STEREO AND MONOPHONIC L-PAD CONTROLS

Constant-impedance attenuators. Use as level controls in low-impedance, low-level audio circuits. Types LL-8 and LL-16 are dual-tandem for stereo balance or master volume; others for monophonic use. 15-watt rating. 294° rotation. Bushing: 1″ by ⅜″ dia. 1½″ shaft. With knob and dial plate. Wt. 5 oz.

Stock No.	Mfr's Type	Ohms	EACH
29 M 097	LL-8	8	5.70
29 M 098	LL-16	16	5.70
29 M 071	L8-A	8	2.85
29 M 072	L16-A	16	2.85

CENTRALAB "COMPENTROLS"



Closely follow the curves of the Fletcher-Munson effect. Low loss—do not require added amplification.

Type C-1 Combination volume control and tone compensator. Improves apparent bass and treble response of TV sets, radios, hi-fi, etc. when volume is at low level. Replaces existing volume controls. Shaft length, 3″. Body dia., 1⁵⁄₁₆″. Av. shpg. wt. 5 oz.

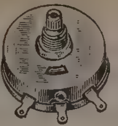
Stock No.	Type	Ohms	EACH
30 M 421	C1-60	500K	2.40
30 M 423	C1-70	1 meg.	2.40

Type C-2-100 "Senior." Dual concentric type for replacing 250K to 2 meg volume controls in amplifiers, TV sets, etc. Permit compensation at low listening levels. Shaft length, ⅞″. Max. body dia., 1¹⁵⁄₁₆″. With two knobs. 6 oz.
30 M 136 .... 3.30

Allied Carries a Complete Line of Controls in Stock for Immediate Delivery

Mallory Pots and Rheostats, Shafts and Switches

"M" AND "MT" WIREWOUND CONTROLS



For industrial and laboratory use as bias controls and voltage dividers. Also for replacement of positioning, hold, focus and other TV-set controls. 4 watts. Arm insulated from shaft. 294° rotation. Knurled ¼″ shaft is ⅜″ long; has screwdriver slot. "M" shaft is hollow to accept DS-36 shafts (see below). MT types center-tapped TV units. 1⅝″ dia. x 9/16″. Mount in ⅜″ hole. Linear taper. Shpg. wt., 4 oz.

POTENTIOMETERS

Stock No.	Type	Ohms	EA.	Stock No.	Type	Ohms	EA.
29 M 424	M1PK	1	1.35	29 M 411	M500PK	500	1.35
29 M 425	M3PK	3		29 M 412	M600PK	600	
29 M 426	M6PK	6		29 M 413	M1MPK	1000	
29 M 427	M10PK	10		29 M 431	M1.5MPK	1500	
29 M 428	MT10PK	10	1.32	29 M 414	M2MPK	2000	
29 M 400	M15PK	15	1.35	29 M 432	M2.5MPK	2500	1.35
29 M 401	M20PK	20	1.35	29 M 415	M3MPK	3000	
29 M 429	MT20PK	20	1.32	29 M 416	M4MPK	4000	
29 M 402	M25PK	25	1.35	29 M 417	M5MPK	5000	
29 M 403	M30PK	30	1.35	29 M 418	M10MPK	10K	
29 M 430	MT30PK	30	1.32	29 M 419	M15MPK	15K	1.47
29 M 404	M40PK	40	1.35	29 M 420	M20MPK	20K	
29 M 405	M50PK	50	1.35	29 M 421	M25MPK	25K	
29 M 406	M60PK	60		29 M 422	M50MPK	50K	1.74
29 M 407	M75PK	75		29 M 423	M70MPK	70K	
29 M 408	M100PK	100		29 M 433	M75MPK	75K	2.46
29 M 409	M200PK	200		29 M 434	M100MPK	100K	
29 M 410	M400PK	400					

RHEOSTATS

Have open or off position counter-clockwise.

Stock No.	Type	Ohms	Amps	Stock No.	Type	Ohms	Amps
29 M 451	M05RK	½	2.80	29 M 459	M20RK	20	.45
29 M 452	M1RK	1	2.00	29 M 460	M25RK	25	.40
29 M 453	M2RK	2	1.40	29 M 461	M30RK	30	.37
29 M 454	M3RK	3	1.15	29 M 462	M40RK	40	.32
29 M 455	M4RK	4	1.00	29 M 463	M50RK	50	.28
29 M 456	M6RK	6	.82	29 M 464	M60RK	60	.26
29 M 457	M10RK	10	.63	29 M 465	M75RK	75	.23
29 M 458	M15RK	15	.52	29 M 466	M100RK	100	.20

EACH.. .93

29 M 651. Type 395 Dial Plate. For "M" Controls. 2 oz.......... .21

3-WATT TV CONTROLS

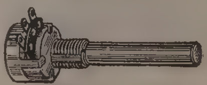
Three-watt wirewound potentiometers designed especially for replacement of television controls. Also excellent for use as voltage dividers and bias controls. Insulated contact arm type, linear taper. Special dual contactor mechanism. 900 volts AC insulation between resistance element and chassis. 297° rotation. Taper 4. 1 25/64″ in diameter. Knurled stub shaft has screwdriver slot. *Center-tapped. ⅜″ bushing. Shpg. wt., 4 oz.

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
29 M 835	R20L	20	.93	29 M 842	R1000L	1000	.93
29 M 836	R20CT*	20	1.32	29 M 843	R1500L	1500	
29 M 837	R25L	25	.93	29 M 844	R2500L	2500	
29 M 838	R30L	30	.93	29 M 846	R3000L	3000	
29 M 839	R30CT*	30	1.32	29 M 845	R5000L	5000	
29 M 840	R50L	50	.93	29 M 692	R7500L	7500	1.08
29 M 864	R100L	100		29 M 693	R10ML	10K	
29 M 841	R250L	250		29 M 694	R15ML	15K	
29 M 834	R500L	500		29 M 695	R20ML	20K	

29 M 985. DS-36 Special 3″ Extension Shaft. For tubular shaft TV 2-watt controls, and Type "M" pots. Wt., 2 oz.... 38

29 M 987. EB-214 Special Bushing. Dimensions ½″—28 thread, 2 3/16″ long with .403″ milled flat. Shpg. wt., 2 oz........................ .75

TYPE VW WIREWOUND 5-WATT CONTROLS



Miniature 5-watt potentiometers. Very small size for this wattage rating; ideal for limited space applications. Case size only ¾″ in diameter by ⅞″ in depth. Bushing: ⅜x⅜″ diameter and length. Has ¼″ plain round shaft, 2½″ long from mounting surface. Linear taper. Tolerance ±5%. 305° mechanical rotation; 275° electrical rotation. High-quality construction throughout for dependable operation and stability. Av. shpg. wt., 4 oz.

Stock No.	Type	Ohms	EA.	Stock No.	Type	Ohms	EA.
28 M 087	VW-1	1	1.38	28 M 105	VW-300	300	1.38
28 M 088	VW-2	2		28 M 106	VW-400	400	
28 M 089	VW-3	3		28 M 107	VW-500	500	
28 M 090	VW-5	5		28 M 108	VW-600	600	
28 M 091	VW-6	6		28 M 109	VW-750	750	
28 M 092	VW-8	8	1.38	28 M 110	VW-1K	1000	1.38
28 M 093	VW-10	10		28 M 111	VW-1P5K	1500	1.44
28 M 094	VW-15	15		28 M 112	VW-2K	2000	1.44
28 M 095	VW-20	20		28 M 113	VW-2P5K	2500	1.44
28 M 096	VW-25	25		28 M 114	VW-3K	3000	1.44
28 M 097	VW-30	30	1.38	28 M 115	VW-4K	4000	1.44
28 M 098	VW-40	40		28 M 116	VW-5K	5000	1.44
28 M 099	VW-50	50		28 M 117	VW-7P5K	7500	1.50
28 M 100	VW-60	60		28 M 118	VW-10K	10K	1.50
28 M 101	VW-75	75		28 M 119	VW-15K	15K	1.56
28 M 102	VW-100	100	1.38	28 M 120	VW-20K	20K	1.56
28 M 103	VW-200	200		28 M 121	VW-25K	25K	1.65
28 M 104	VW-250	250					

SERIES U MIDGETROL CONTROLS

For audio, tone and similar control circuits in home receivers; audio amplifiers, portables, TV sets and industrial electronic equipment. Available in a full line of resistances, tapers, and taps. Round, hollow shaft—easily cut to desired length. Two spline-shank knob adapters furnished with each Midgetrol—see illustration above. With nut and lock washer. 15/16″ dia. brass shaft, 2⅛″ long, ¼″ dia. Less switch (see below). Shpg. wt 3 oz.

Stock No.	Type	Ohms	Taper*	Stock No.	Type	Ohms	Taper*
29 M 714	U-1	100	4	29 M 764	U-36	75K	1
29 M 715	U-52R	500	2	29 M 765	U-39	100K	1
29 M 709	U-2	500	4	29 M 766	U-40	100K	2
29 M 638	U-75IR	750	2	29 M 767	U-41	100K	4
29 M 796	U-3	1K	2	29 M 795	U-415	125K	4
29 M 785	U-4	1K	4	29 M 768	U-42	150K	1
29 M 797	U-5	1500	2	29 M 769	U-43	200K	4
29 M 786	U-6	2K	4	29 M 770	U-44	250K	1
29 M 798	U-7	2500	2	29 M 771	U-45	250K	2
29 M 787	U-8	3K	4	29 M 772	U-46	250K	4
29 M 717	U-9	3K	2	29 M 773	U-48	500K	1
29 M 751	U-12	5K	1	29 M 774	U-50	500K	4
29 M 752	U-14	5K	4	29 M 775	U-51	750K	1
29 M 753	U-18	10K	1	29 M 713	U-52	1 Meg	2
29 M 754	U-19	10K	2	29 M 776	U-53	1 Meg	1
29 M 755	U-20	10K	4	29 M 777	U-54	1 Meg	4
29 M 756	U-21	15K	1	29 M 790	U-155	1.5 Meg	4
29 M 757	U-22	15K	2	29 M 778	U-55	2 Meg	1
29 M 758	U-24	20K	1	29 M 781	U-56	2 Meg	4
29 M 783	U-26	20K	4	29 M 784	U-255	2.5 Meg	4
29 M 759	U-28	25K	2	29 M 779	U-57	3 Meg	1
29 M 712	U-28A	25K	1	29 M 782	U-59	3 Meg	4
29 M 760	U-29	25K	4	29 M 699	U-63	5 Meg	2
29 M 698	U-30	30K	4	29 M 780	U-65	5 Meg	1
29 M 761	U-33	50K	1	29 M 788	U-67	5 Meg	4
29 M 762	U-34	50K	2	29 M 789	U-82	10 Meg	4
29 M 763	U-35	50K	4				

EACH.. 1.02

EXPLANATION OF TAPERS*

Taper No. 1: For use in audio or antenna shunt circuits.
Taper No. 2: For series circuits or cathode voltage controls.
Taper No. 4: Linear. For voltage control.

TYPE UT SINGLE-TAPPED MIDGETROLS

Same as U-types above but tapped for tone compensation.

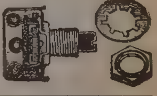
Stock No	Type	Ohms	Tap	Stock No.	Type	Ohms	Tap
29 M 718	UT 153	15K	10K	29 M 861	UT-440	1 Meg	200K
29 M 585	UT-415	30K	25K	29 M 862	UT-438	1 Meg	300K
29 M 802	UT-420	250K	50K	29 M 806	UT 443	1 Meg	450K
29 M 586	UT-421	250K	150K	29 M 807	UT-450	2 Meg	125K
29 M 803	UT-425	350K	70K	29 M 808	UT-448	2 Meg	250K
29 M 816	UT-429	500K	50K	29 M 809	UT-454	2 Meg	400K
29 M 804	UT 427	500K	100K	29 M 863	UT-449	2 Meg	600K
29 M 860	UT-430	500K	150K	29 M 810	UT-451	2 Meg	900K
29 M 805	UT-431	500K	225K	29 M 817	UT-457	3 Meg	900K

EACH.. 1.26

TYPE UDT DOUBLE-TAPPED MIDGETROLS

Stock No.	Type	Ohms	Taps	EACH
29 M 988	UDT-283	500K	100K/200K	1.26
29 M 989	UDT-289	1 Meg	250K/500K	
29 M 990	UDT-291	1.5 Meg	225K/500K	
29 M 991	UDT-295	2.25 Meg	250K/500K	
29 M 992	UDT-296	2.25 Meg	500K/1 Meg	
29 M 719	UDT-303	3.3 Meg	300K/1.5 Meg	

INSULATED-SHAFT MIDGETROLS FOR TV



Type SU. Size and construction same as Midgetrols above, but have ¼″ dia. fixed knurled and slotted phenolic shaft protruding ¼″ beyond bushing. Linear taper. With hex nut. Wt. 3 oz.

Stock No.	Type	Ohms	Stock No.	Type	Ohms
29 M 646	SU-6	1.5K	29 M 814	SU-50	500K
29 M 647	SU-8	3K	29 M 829	SU-54	1 Meg
29 M 832	SU-14	5K	29 M 830	SU-56	2 Meg
29 M 826	SU-20	10K	29 M 833	SU-565	2.5 Meg
29 M 812	SU-29	25K	29 M 831	SU-59	3 Meg
29 M 827	SU-35	50K	29 M 815	SU-67	5 Meg
29 M 813	SU-41	100K	29 M 587	SU-69	7.5 Meg
29 M 828	SU-46	250K			

EACH.. .93

SWITCHES AND ACCESSORIES FOR MIDGETROLS

"Push-on, stay-on" switches for Midgetrols. Shpg. wt. 2 oz.

29 M 620. US-26 SPST Switch.................................... .42
29 M 621. US-26T SPST Switch. With dummy terminal .... .51
29 M 622. US-27 DPST Switch.................................... .51
29 M 623. US-28 SPDT Switch.................................... .51

29 M 985. DS-36 Special 3″ Extension Shaft. For tubular shaft Midgetrols, TV and industrial 2-watt controls, and Type "M" pots. Also couples front and rear sections together. Shpg. wt. 2 oz.......... .38

29 M 882. DS-37 3/16″ Diameter Shaft. For use with round-shaft Midgetrols to accommodate knobs requiring 3/16″ shaft. Wt. 2 oz.......... .33

29 M 987. EB-214 Special Bushing. Dimensions: ½″—28 thread, 2 3/16″ long with .403″ milled flat. Shpg. wt. 2 oz.................. .75

SPRAGUE
THE MARK OF RELIABILITY

Twist-Prong Electrolytic Capacitors

TVL "TWIST-LOK" AND PCL "PRINT-LOK" MIDGET CAN CAPACITORS

"Twist-Lok" hermetically sealed aluminum can capacitors. All rated +85°C. Up to 150 WVDC, tolerance is −10% to +100%; above 150 WVDC, −10% to +50%. Can is common negative. Terminals welded to cathode. *PCL "Print-Lok' types fit all printed circuit mountings or std. twist-base mounts. With both phenolic and metal mounting washers. Av. wt., 6 oz.

TWIST-PRONG CAPACITOR SIZE CHART

Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L
A	¾x2″	C	1x2½″	E	1x3½″	G	1⅜x2″	J	1⅜x3″	L	1⅜x4″
B	1x2″	D	1x3″	F	1x4″	H	1⅜x2½″	K	1⅜x3½″	M	1x1½″

SINGLE SECTION

Stock No.	Cap. Mfd	WV DC	TVL		EACH
			Type	Size	
19 L 367	2000	6	1115	G	1.83
19 L 620	225	15	1160	A	1.05
19 L 364	1000	15	1165	M	1.53
19 L 365	2000	15	1168	G	2.07
19 L 366	3000	15	1170	G	2.55
19 L 603	4000	15	1173	K	2.25
19 L 362	500	25	1220	M	1.53
19 L 363	1000	25	1230	G	2.13
19 L 357	100	50	1317	A	.99
19 L 604	250	50	1324	C	1.20
19 L 358	500	50	1330	G	1.59
19 L 359	1000	50	1338	H	2.25
19 L 360	1500	50	1341	J	2.64
19 L 621	40	150	1412	B	1.20
19 L 344	50	150	1415	M	.99
19 L 345	80	150	1420	C	1.11
19 L 346	100	150	1423	C	1.20
19 L 347	120	150	1425	B	1.29
19 L 606	120	150	1426	H	1.29
19 L 609	140	150	1428*	C	1.29

Stock No.	Cap. Mfd	WV DC	TVL		EACH
			Type	Size	
19 L 348	140	150	1428	C	1.29
19 L 349	150	150	1429	D	1.29
19 L 350	150	150	1430	J	1.29
19 L 351	200	150	1431	G	1.47
19 L 352	300	150	1434	G	1.68
19 L 343	160	200	1473	J	1.89
19 L 610	160	120	1473*	G	1.89
19 L 338	20	250	1509	B	.96
19 L 339	40	250	1519	B	1.08
19 L 340	100	250	1535	D	1.62
19 L 341	150	250	1540	H	1.86
19 L 342	200	250	1547	K	2.19
19 L 334	80	300	1573	C	1.53
19 L 335	100	300	1578	F	1.74
19 L 336	150	300	1584	K	2.10
19 L 337	250	300	1590	L	3.33
19 L 611	30	350	1617	B	1.14
19 L 329	40	350	1621	B	1.20
19 L 330	50	350	1622	B	1.26
19 L 331	80	350	1630	G	1.71

Stock No.	Cap. Mfd	WV DC	TVL		EACH
			Type	Size	
19 L 332	125	350	1638	K	2.37
19 L 333	150	350	1642	H	2.37
19 L 314	10	450	1705	B	.93
19 L 316	20	450	1714	B	1.08
19 L 317	30	450	1720	C	1.17
19 L 324	40	450	1725	D	1.23
19 L 325	50	450	1728	D	1.41
19 L 622	60	450	1730	H	1.56
19 L 326	80	450	1735	H	1.83
19 L 327	100	450	1750	J	2.07
19 L 328	125	450	1760	L	2.31
19 L 613	40	475	1820	G	1.51
19 L 307	10	500	1940	M	1.02
19 L 308	20	500	1943	C	1.11
19 L 309	30	500	1947	C	1.20
19 L 310	40	500	1950	D	1.50
19 L 311	80	500	1958	J	2.16
19 L 312	90	500	1960	J	2.10

DUAL SECTION

19 L 120	1000-1000	15	2160	E	2.64
19 L 626	1000-1000	15	2161	H	2.64
19 L 117	100-100	50	2326	M	1.26
19 L 406	20-20	150	2415	B	1.02
19 L 407	30-30	150	2422	M	1.11
19 L 408	40-20	150	2425	B	1.11
19 L 102	40-40	150	2428	M	1.14
19 L 103	50-30	150	2432	M	1.20
19 L 104	50-30	150	*2432	B	1.20
19 L 105	50-50	150	2435	C	1.29
19 L 107	80-40	150	2442	H	1.38
19 L 108	80-50	150	2442.1	C	1.44
19 L 114	200-5	150	2444	G	1.62
19 L 632	200-5	150	2444*	H	1.62
19 L 623	200-150	150	2446	L	2.25
19 L 115	200-200	150	2447	M	2.40
19 L 634	100-100	200	2464	J	2.10
19 L 405	200-5	200	2470	G	1.83

19 L 402	20-20	250	2515	M	1.14
19 L 403	40-40	250	2520	B	1.50
19 L 404	150-150	250	2535	L	3.09
19 L 636	200-200	250	2538	L	3.63
19 L 400	40-40	300	2575	G	2.25
19 L 401	80-80	300	2585	J	2.43
19 L 395	15-15	350	2625	B	1.35
19 L 396	20-20	350	2626	B	1.74
19 L 397	30-30	350	2628	C	1.74
19 L 004	80-40	350	2634	J	2.46
19 L 639	100-60	350	2639	K	2.88
19 L 398	100-100	350	2641	J	3.69
19 L 640	100-30	400-50	2655	J	2.34
19 L 641	80-80	400-200	2656	K	2.37
19 L 394	80-60	400	2677	J	2.82
19 L 642	120-40	400	2679	L	3.15
19 L 376	10-10	450	2750	B	1.14
19 L 377	20-10	450	2754	C	1.35

19 L 378	15-15	450	2753	C	1.35
19 L 379	20-20	450	2755	C	1.53
19 L 381	30-30	450	2759	C	1.83
19 L 382	40-20	450	2762	H	1.95
19 L 383	40-40	450	2764	H	2.07
19 L 384	50-50	450	2767	J	2.31
19 L 385	60-40	450	2770	K	2.37
19 L 386	60-60	450	2772	K	2.70
19 L 387	80-10	450	2776	J	2.16
19 L 389	80-40	450	2778	K	3.03
19 L 390	100-40	450	2780	L	2.91
19 L 643	20-100	475-400	2813	L	2.70
19 L 368	10-10	500	2933	C	1.17
19 L 369	20-20	500	2935	H	1.71
19 L 370	30-30	500	2937	H	1.95
19 L 371	40-40	500	2940	J	2.58
19 L 372	60-40	500	2944	K	2.76

TRIPLE SECTION

19 L 624	40-40-250	150-150-25	3426.4	D	1.89
19 L 625	80-4-200	150-150-25	3432	C	1.68
19 L 185	20-20-20	150	3433	M	1.38
19 L 186	40-20-20	150	3437	C	1.44
19 L 187	40-30-20	150	3438	B	1.50
19 L 188	40-40-40	150	3430	B	1.56
19 L 190	50-50-50	150	3442	D	1.80
19 L 191	60-40-20	150	3443	D	1.65
19 L 192	80-40-20	150	3444	D	1.74
19 L 194	200-100-60	150	3450	K	2.73
19 L 627	250-200-10	150	3453	L	4.32
19 L 184	60-200-140	200-150-150	3461.4	L	2.88
19 L 644	60-5-20	200-200-50	3467	C	1.50
19 L 183	80-10-20	200-200-50	3471	D	1.68
19 L 181	30-30-20	250-250-25	3513	D	1.68
19 L 700	20-20-20	250	3532	B	1.56
19 L 180	40-20-20	250	3540	E	1.74
19 L 179	100-200-60	300-150-150	3560.5	L	3.00
19 L 177	100-60-20	300-250-250	3562	J	2.94
19 L 614	140-100-60	300-300-50	3574.7	K	3.63
19 L 175	120-50-40	300	3585	L	3.51
19 L 803	140-100-20	300	3585.5	L	3.72

19 L 176	150-100-30	300	*3586	L	3.81
19 L 016	10-50-100	350-150-50	3608	E	1.71
19 L 615	60-200-30	350-150-150	3608.6	J	3.00
19 L 811	125-5-100	350-200-75	3610	H	3.18
19 L 173	30-30-20	350-300-25	3620	C	1.89
19 L 169	15-10-20	350-350-25	3630	B	1.50
19 L 171	20-10-20	350-350-25	3634	C	1.53
19 L 170	20-20-20	350-350-25	3635	B	1.74
19 L 812	30-20-20	350-350-25	3636	B	1.80
19 L 818	30-20-100	350-350-150	3638.7	H	2.40
19 L 166	60-40-20	350	3640	L	2.55
19 L 616	60-50-50	350	3641	L	2.94
19 L 820	80-60-60	350	3642	L	3.33
19 L 618	80-40-150	400-400-50	3684	L	3.15
19 L 822	100-10-20	400-400-50	3685	K	2.70
19 L 163	100-10-80	400-400-350	3689.3	L	3.66
19 L 823	10-100-200	450-200-25	3708.2	E	2.16
19 L 619	10-40-10	450-300-150	3713.7	G	1.86
19 L 158	10-10-20	450-450-25	3731	B	1.44
19 L 159	20-10-20	450-450-25	3735	D	1.62
19 L 160	20-20-20	450-450-25	3739	D	1.83
19 L 161	40-40-20	450-450-25	3744	H	2.34

19 L 157	80-20-100	450-450-50	3757	L	2.88
19 L 129	10-10-10	450	3776	C	1.56
19 L 130	15-15-10	450	3778	E	2.67
19 L 131	20-10-10	450	3779	D	1.74
19 L 132	20-20-20	450	3780	H	2.16
19 L 133	30-20-20	450	3781	J	2.31
19 L 134	30-30-30	450	3782	K	2.61
19 L 135	40-30-20	450	3784	J	2.58
19 L 136	40-40-10	450	3785	K	2.49
19 L 137	40-40-20	450	3786	J	2.67
19 L 138	40-40-40	450	3787	J	2.94
19 L 139	60-20-20	450	3789	J	2.76
19 L 141	60-30-10	450	3790	J	2.70
19 L 151	80-40-20	450	3793	L	3.24
19 L 826	40-80-10	475-450-450	3816	L	3.30
19 L 126	30-30-20	475	3840	J	2.67
19 L 127	40-10-10	475	3841	J	3.48
19 L 128	40-30-30	475	3843	L	3.09
19 L 124	40-40-100	500-500-200	3935	L	3.48
19 L 121	10-10-10	500	3952	D	1.62
19 L 122	30-20-20	500	3956	J	2.52
19 L 123	40-40-10	500	3965	K	3.03

FOUR SECTION

Stock No.	Cap. Mfd	WVDC	TVL		EACH
			Type	Size	
19 L 091	60-40-20-200	150-150-150-10	4414	G	2.07
19 L 087	80-40-40-20	150-150-150-25	4431	G	2.13
19 L 088	80-40-40-100	150-150-150-25	4434	H	2.25
19 L 097	250-200-10-25	150-150-150-50	4440	L	3.21
19 L 079	40-40-40-30	150	4441	G	1.98
19 L 828	200-200-60-30	175	4450	L	3.33
19 L 831	10-200-140-30	300-150-150-150	4559	K	3.06
19 L 072	100-10-200-30	300-300-150-150	4561	L	3.54
19 L 099	150-10-200-30	300-300-150-150	4561.3	L	3.75
19 L 833	150-30-30-150	300-300-300-50	4574	L	3.66
19 L 722	40-40-20-10	300	4579	K	2.73
19 L 853	140-100-20-20	350-300-300-300	4605.3	L	4.62
19 L 866	160-60-10-4	350-300-300-300	4605.5	L	3.78
19 L 867	60-20-80-100	350-350-150-50	4608	L	2.94
19 L 066	60-40-60-20	350-350-200-150	4609	K	3.03
19 L 869	70-40-10-50	350-350-350-50	4631	J	3.15
19 L 872	40-40-40-40	350	4635.3	L	3.60
19 L 055	80-60-40-20	350	4635.7	L	3.84
19 L 052	40-80-100-25	400-350-200-50	4654	K	3.50
19 L 873	100-10-20-20	400-400-350-50	4666.2	L	4.92
19 L 050	80-40-30-40	400-400-400-25	4670	L	3.57

Stock No.	Cap. Mfd	WVDC	TVL		EACH
			Type	Size	
19 L 875	80-40-10-100	400-400-400-200	4671.2	L	3.81
19 L 876	80-40-30-4	400-400-400-350	4672	L	3.54
19 L 878	40-40-30-30	450-450-350-350	4720	L	3.54
19 L 201	10-10-10-20	450-450-450-25	4723	G	1.89
19 L 042	20-20-20-20	450-450-450-25	4724.2	H	2.49
19 L 043	40-30-10-20	450-450-450-25	4734	J	2.70
19 L 046	40-40-40-40	450-450-450-25	4739	J	3.30
19 L 039	40-40-10-100	450-450-450-100	4747	K	3.33
19 L 031	10-10-10-10	450	4760	G	2.01
19 L 032	20-10-10-10	450	4761	G	2.22
19 L 033	20-20-20-20	450	4763	J	2.82
19 L 034	30-30-20-20	450	4769.4	J	3.12
19 L 036	40-40-20-20	450	4773	K	3.33
19 L 037	40-40-30-30	450	4774	L	3.63
19 L 038	40-40-40-40	450	4775	L	3.87
19 L 887	20-80-20-10	475-300-300-300	4801	K	3.00
19 L 896	10-80-40-100	475-400-400-50	4805.2	L	3.48
19 L 023	20-20-10-10	475	4832	H	2.61
19 L 024	20-20-20-20	475	4834	J	3.06
19 L 025	40-20-10-10	475	4840	J	3.06
19 L 020	10-10-10-10	500	4940	G	2.10

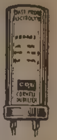
Twist-Prong Electrolytics, Capacitor Hardware

WIDE-APPLICATION-RANGE TWIST-PRONG ELECTROLYTIC CAPACITORS

SIZE CHART

Code	Dia. x L.
A	1x1½″
B	1x1¾″
C	1x2″
D	1x2½″
E	1x3″
F	1⅜x2″
G	1⅜x2½″
H	1⅜x3″
J	1⅜x3½″
K	1⅜x3⅝″
L	1⅜x4″
M	1⅜x4⅛″

High-quality units that make ideal replacements for all electrolytics with the same capacitance ranges as listed below for twist-prong types. The voltages of the capacitor being replaced must not exceed the working voltages specified for wide-application type replacements. Cornell-Dubilier twist-prong electrolytics have been developed with due consideration to the broad tolerances recognized throughout the industry as inherent in electrolytic manufacturing. Capacitors with rated DC working voltage of 3 to 50 volts have a tolerance of −10% to +150%; from 51 to 350 volts, −10% to +100%; from 351 to 500 volts, −10% to +50%. In the listings below, the capacitance range is clearly indicated by light-faced printing for the low end of the range, and by **bold-faced** printing for the high end of the range. For example: Type BB0040 (Dual-Section Electrolytic) has two 500 to 1000-mfd sections.



CDE "Twist-Prong Electrolytic Replacement Guide and Cross Reference." Covers every twist-prong rating in current use. Wt., 9 oz.
10 L 934................FREE With Your Next Order

SINGLE-SECTION ELECTROLYTICS

Stock No.	Mfr's Type	Mfd. Range	WVDC Up to	Code Size	EA.
18 L 803	AA0060	500-1000	16	A	1.26
18 L 805	AA0070	1000-2000	16	F	1.92
18 L 806	AA0080	1500-3000	16	F	2.40
18 L 807	AA0120	250-500	25	A	1.17
18 L 808	AA0130	500-1000	25	F	1.74
18 L 809	AA0160	250-500	50	F	1.44
18 L 810	AA0174	750-1500	50	H	2.46
18 L 811	AA0200	30-50	150	A	.90
18 L 812	AA0241	60-100	150	A	.99
18 L 813	AA0261	100-150	150	C	1.11

Stock No.	Mfr's Type	Mfd. Range	WVDC Up to	Code Size	EA.
18 L 814	AA0263	200-300	150	F	1.59
18 L 815	AA0264	120-200	150	E	1.23
18 L 816	AA0267	80-125	250	E	1.29
18 L 817	AA0315	100-150	250	G	1.56
18 L 818	AA0350	60-100	300	D	1.29
18 L 819	AA0357	120-200	300	G	2.01
18 L 820	AA0390	30-50	350	C	1.11
18 L 821	AA0401	60-80	350	F	1.47
18 L 822	AA0415	100-150	350	G	1.95

Stock No.	Mfr's Type	Mfd. Range	WVDC Up to	Code Size	EA.
18 L 823	AA0417	250-300	350	L	2.97
18 L 824	AA0490	35-50	450	D	1.26
18 L 825	AA0510	60-80	450	G	1.74
18 L 826	AA0512	70-100	450	H	1.98
18 L 827	AA0514	100 125	450	J	2.22
18 L 828	AA0520	7-10	500	A	.98
18 L 833	AA0530	15-20	500	C	1.05
18 L 839	AA0550	30-40	500	D	1.32
18 L 841	AA0560	60-80	500	H	2.07

DUAL-SECTION ELECTROLYTICS

18 L 842	BB0040	500-500 **1000-1000**	16	F	2.13
18 L 843	BB0085	60-60 **100-100**	50	A	1.14
18 L 844	BB0141	20-20 **40-40**	150	A	1.11
18 L 845	BB0150	30-15 **60-30**	150	A	1.11
18 L 846	BB0171	50-50 **80-80**	150	C	1.29
18 L 847	BB0181	50-20 **80-40**	150	B	1.20
18 L 849	BB0189	100-100 **200-200**	150	G	2.07
18 L 850	BB0196	100-4 **200-8**	200	F	1.80
18 L 858	BB0241	30-30 **40-40**	250	B	1.26
18 L 859	BB0252	120-120 **200-200**	250	M	2.91

18 L 861	BB0270	50-50 **80-80**	300	G	2.04
18 L 860	BB0286	120-50 **200-80**	300	J	2.73
18 L 862	BB0300	15-15 **20-20**	350	C	1.20
18 L 863	BB0310	20-20 **30-30**	350	D	1.38
18 L 864	BB0326	50-30 **80-40**	350	G	1.98
18 L 865	BB0332	70-70 **100-100**	350	J	2.94
18 L 866	BB0356	60-60 **80-80**	400	J	2.67
18 L 867	BB0390	15-7 **20-10**	450	D	1.26
18 L 868	BB0400	15-15 **20-20**	450	D	1.38
18 L 869	BB0410	20-7 **30-10**	450	E	1.38

18 L 870	BB0430	20-20 **30-30**	450	F	1.77
18 L 871	BB0440	30-15 **40-20**	450	F	1.77
18 L 872	BB0455	30-30 **50-50**	450	H	2.22
18 L 873	BB0470	60-7 **80-10**	450	H	2.10
18 L 874	BB0473	60-15 **80-20**	450	G	2.19
18 L 875	BB0480	60-30 **80-40**	450	K	2.43
18 L 876	BB0490	7-7 **10-10**	500	C	1.17
18 L 877	BB0500	15-15 **20-20**	500	F	1.71
18 L 878	BB0530	30-30 **40-40**	500	G	2.28

TRIPLE-SECTION ELECTROLYTICS

18 L 879	CC0090	20-20-20 **40-40-40**	150	B	1.47
18 L 880	CC0105	30-30-30 **50-50-50**	150	C	1.53
18 L 881	CC0120	50-20-10 **80-40-20**	150	C	1.50
18 L 882	CC0160	30-15-15 **40-20-20**	250	C	1.53
18 L 883	CC0210	7- 7- 7 **10-10-10**	350	B	1.38
18 L 884	CC0225	20-15-7 **30-20-10**	350	D	1.59

18 L 885	CC0230	40-30-15 **60-40-20**	350	G	2.28
18 L 886	CC0254	10-10-10 **15-15-15**	450	D	1.68
18 L 887	CC0330	30-20-15 **40-30-20**	450	G	2.43
18 L 888	CC0344	30-30-15 **40-40-20**	450	H	2.52
18 L 889	CC0350	30-30-30 **40-40-40**	450	H	2.76

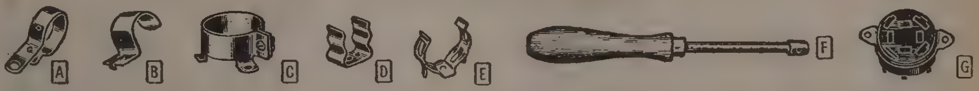
18 L 890	CC0360	40-15-15 **60-20-20**	450	H	2.52
18 L 891	CC0370	50-30-15 **80-40-20**	450	H	2.97
18 L 892	CC0374	30-20-20 **40-30-30**	475	K	2.76
18 L 893	CC0380	7- 7- 7 **10-10-10**	500	E	1.62
18 L 894	CC0390	20-15-15 **30-20-20**	500	H	2.43

QUADRUPLE-SECTION ELECTROLYTICS

Stock No.	Mfr's Type	Mfd. Range	WVDC Up to	Code Size	EACH
18 L 895	DD0020	30-30-15-7 **40-40-20-10**	300	F	2.25
18 L 896	DD0032	30-15-15-7 **40-20-20-10**	350	F	2.25
18 L 897	DD0042	60-40-30-15 **80-60-40-20**	350	M	3.21
18 L 898	DD0174	30-30-15-15 **40-40-20-20**	450	M	3.06

Stock No.	Mfr's Type	Mfd. Range	WVDC Up to	Code Size	EACH
18 L 899	DD0177	30-30-30-30 **40-40-40-40**	450	L	3.54
18 L 900	DD0179.3	15-15-7-7 **20-20-10-10**	475	G	2.43
18 L 902	DD0179.5	15-15-15-15 **20-20-20-20**	475	G	2.67
18 L 903	DD0180	7-7-7-7 **10-10-10-10**	500	F	2.10

CAPACITOR MOUNTING HARDWARE



A TUBULAR STRAPS

Stock No.	Size Dia.	EACH
17 L 962	⅝″	9¢
17 L 963	1¹⁄₁₆″	
17 L 964	¾″	
17 L 965	¹³⁄₁₆″	
17 L 966	⅞″	12¢
17 L 967	¹⁵⁄₁₆″	
17 L 968	1″	
17 L 969	1⅜″	

B "C" CLAMPS

17 L 970	⅝-¾″	12¢
17 L 971	⅞-1″	

C MOUNTING RINGS

Stock No.	Size Dia.	EACH
17 L 972	1-1¹⁄₁₆″	15¢
17 L 973	1⅜-1⁷⁄₁₆″	18¢
17 L 974	1½-1⁹⁄₁₆″	18¢
17 L 975	2-2¹⁄₁₆″	18¢
17 L 976	2½″	21¢
17 L 977	3″	39¢

D MOUNTING CLIPS

17 L 978	¾″	12¢
17 L 979	1″	12¢
17 L 980	1⅜″	18¢

E UNIVERSAL CLIPS

Stk. No.	Dia.	EACH
17 L 981	⅜-⁷⁄₁₆″	12¢
17 L 982	½-⁹⁄₁₆″	
17 L 983	⅝-1¹⁄₁₆″	
17 L 984	¾-1³⁄₁₆″	15¢
17 L 985	⅞-1⁵⁄₁₆″	
17 L 986	1-1¹⁄₁₆″	
17 L 987	1⅜-1⁷⁄₁₆″	

G MOUNTING SOCKETS

40 H 335	1″	44¢
40 H 336	1⅜″	67¢

F **17 L 990 Mtg. Wrench.** For twist-prongs. 1.49

MOUNTING PLATES

*Phenolic †Metal. ‡Mount 1″ dia. can over 1⅜″ dia. hole.

Stk. No.	Dia.	Stk. No.	Dia.
17 L 945	1″*	17 L 948	1″†
17 L 946	1⅜″*	17 L 949	1⅜″†
17 L 947	‡*	17 L 950	‡†

Above....................**Each 9¢**

KRAFT INSULATING SLEEVES

Stk. No.	Dia.	Stk. No.	Dia.
17 L 510	¾x2″	17 L 517	1⅜x2½″
17 L 511	1x2″	17 L 514	1⅜x3″
17 L 515	1x2½″	17 L 988	1⅜x3½″
17 L 512	1x3″	17 L 518	1⅜x4″
17 L 513	1⅜x2″	17 L 989	1⅜x4⅛″

Above....................**Each 9¢**

Please Specify Stock No. and Mfr's Type on Capacitor Orders

Ceramic Capacitors

"CERA-MITE" DISC CERAMIC CAPACITORS

Ultra-compact ceramic disc capacitors. In EIA (RETMA) and other popular values. High by-pass efficiency in critical circuits. Moistureproof coating. Tolerances: 1000 WVDC types, ±20%. 3000 WVDC types: 1.5 mmf, ±.25 mmf; 4.7 mmf, ±.5 mmf; thru 68 mmf, ±10%; thru 270 mmf, ±20%. All capacitors are "tagged" for easy identification. Sizes range from ¼" to ⅞". Average shpg. wt., 2 oz.

SERIES 5GA—1000 WVDC

Stock No.	Type	Mmf	Stock No.	Type	Mmf
16 L 300	V50	5	16 L 332	T30	300
16 L 301	V60	6	16 L 333	T33	330
16 L 302	V75	7.5	16 L 334	T35	350
16 L 303	V80	8	16 L 335	T36	360
16 L 304	Q10	10	16 L 336	T39	390
16 L 305	Q12	12	16 L 337	T40	400
16 L 306	Q15	15	16 L 338	T47	470
16 L 307	Q18	18	16 L 339	T50	500
16 L 308	Q20	20	16 L 340	T56	560
16 L 309	Q22	22	16 L 341	T60	600
16 L 310	Q25	25	16 L 342	T68	680
16 L 311	Q27	27	16 L 343	T75	750
16 L 312	Q30	30	16 L 344	T80	800
16 L 313	Q33	33	16 L 345	T82	820
16 L 314	Q39	39	15 L 670	D10	1000
16 L 315	Q47	47	16 L 347	D12	1200
16 L 316	Q50	50	16 L 348	D13	1300
16 L 317	Q56	56	15 L 671	D15	1500
16 L 318	Q68	68	16 L 350	D16	1600
16 L 319	Q75	75	16 L 351	D18	1800
16 L 320	Q82	82	16 L 352	D20	2000
16 L 321	Q91	91	16 L 353	D22	2200
16 L 322	T10	100	16 L 354	D25	2500
16 L 323	T12	120	16 L 355	D27	2700
16 L 324	T13	130	16 L 356	D30	3000
16 L 325	T15	150	16 L 357	D33	3300
16 L 326	T18	180	16 L 358	D39	3900
16 L 327	T20	200	16 L 359	D40	4000
16 L 328	T22	220	16 L 360	D43	4300
16 L 329	T24	240	16 L 361	D47	4700
16 L 330	T25	250	16 L 362	D50	5000
16 L 331	T27	270	16 L 363	S10	10,000

EACH.............................15¢

SERIES 30GA—3000 WVDC

Stock No.	Type	Mmf	Stock No.	Type	Mmf
16 L 387	V15	1.5	16 L 376	Q68	68
16 L 370	V47	4.7	16 L 377	T10	100
16 L 371	Q10	10	16 L 378	T12	120
16 L 372	Q15	15	16 L 379	T15	150
16 L 373	Q25	25	16 L 380	T18	180
16 L 374	Q30	30	16 L 381	T20	200
16 L 389	Q39	39	16 L 382	T22	220
16 L 375	Q50	50	16 L 383	T25	250
16 L 390	Q60	60	16 L 384	T27	270

EACH.............................15¢

SERIES 5HK—500 AND 1000 WVDC

Stock No.	Type	Mfd	WVDC	EA.
18 L 650	D10	.001	1000	15¢
18 L 651	D15	.0015	1000	
15 L 672	D20	.002	1000	
18 L 654	D22	.0022	1000	
18 L 659	D25	.0025	1000	
18 L 661	D33	.0033	1000	15¢
18 L 665	D47	.0047	1000	
15 L 673	D50	.005	1000	
18 L 666	D68	.0068	1000	
15 L 674	S10	.01	500	15¢
18 L 667	S15	.015	500	
19 L 950	S20	.02	500	
18 L 668	S22	.022	500	
18 L 669	S25	.025	500	
19 L 951	S30	.03	500	27¢
19 L 952	S40	.04	500	27¢
19 L 953	S50	.05	500	27¢
19 L 954	P10	.1	500	78¢

SERIES BL TINY BUFFER CERAMICS

2000 WVDC. For buffer applications. Moistureproof coating. Tol., ±20%. Wt., 2 oz.

Stock No.	Type BL-	Mfd	Stock No.	Type BL-	Mfd
16 L 290	D10	.001	16 L 295	D60	.006
16 L 291	D20	.002	16 L 296	D70	.007
16 L 292	D30	.003	16 L 297	D75	.0075
16 L 293	D40	.004	16 L 298	D80	.008
16 L 294	D50	.005			

EACH.............................21¢

CAPACITANCE DECODER

Type C-751. Decodes mfd., tolerance and WVDC from color codes. 2 oz.
19 L 940.............................25¢

SERIES 10TCC NPO CERAMICS

Zero temperature-coefficient capacitors. 1000 WVDC. All capacitors listed below are of the disc type. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
19 L 955	V10	1.0	19 L 965	Q25	25
19 L 956	V15	1.5	19 L 966	Q33	33
19 L 957	V22	2.2	19 L 967	Q39	39
19 L 958	V33	3.3	19 L 968	Q47	47
19 L 959	V47	4.7	19 L 969	Q50	50
19 L 960	V68	6.8	19 L 970	Q68	68
19 L 961	Q10	10.0	19 L 971	Q75	75
19 L 962	Q15	15.0	19 L 972	T10	100
19 L 963	Q20	20.0	19 L 973	T12	120
19 L 964	Q22	22.0	19 L 974	T15	150

EACH.............................15¢

Stock No.	Type	Mmf	EACH
19 L 975	T175	175	15¢
19 L 976	T22	220	18¢
19 L 977	T27	270	24¢

SERIES 10TCU N750 CERAMICS

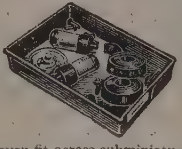
A negative temperature coefficient capacitor with a negative change of 750 parts per million per degree Centigrade. 1000 WVDC. All capacitors listed below are disc type except *rectangular. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
19 L 978	V50*	5	19 L 986	Q68	68
19 L 979	Q10	10	19 L 987	Q75	75
19 L 980	Q15	15	19 L 988	T10	100
19 L 981	Q20	20	19 L 989	T15	150
19 L 982	Q22	22	19 L 990	T20	200
19 L 983	Q25	25	19 L 991	T22	220
19 L 984	Q33	33	19 L 992	T33	330
19 L 985	Q47	47			

EACH.............................15¢

Stock No.	Type	Mfd	EACH
19 L 993	T47	470	24¢
19 L 994	T68	680	27¢

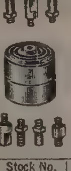
CK-9 KIT WITH FREE JOB TRAY



60 Ceramic Discs FREE Job Tray 60 of Sprague's most popular "Cera-Mites"—5 of each in table below. Plus an unbreakable, elastomer job tray (1½x6x9") that prevents accidental mix-up of parts. Tiny discs even fit across subminiature tube sockets. Low self-inductance for high bypass efficiency. Moistureproof insulating coating prevents shorts, assures reliability under severe humidity, vibration. For 85°C. GA in Type No. signifies general application; HK—high-K; TG—extra high-K for transistorized circuitry; TS—temperature stable. Mmf at WVDC: *1000; †50; §500. 2 lbs.
19 L 278.............................18.15

Mfr's Type	Mfd	Mfr's Type	Mfd
TG-S10	.01†	5GA-D10	.001*
TG-S50	.05†	5HK-D10	.001*
TG-P10	.1†	5GA-D50	.005*
5HK-P10	.1§	5GA-S10	.01*
5GA-T10	.0001*	5HK-S10	.01*
5GA-T47	.00047*	10TS-S10	.01*

DOORKNOB CAPACITORS



High-voltage, 500-mmf plastic capacitors for replacement use in all types of TV sets. Moisture-resistant, thermosetting molded plastic. Molded guard rings increase surface leakage path. Capacitor body has threaded ends for variety of screw-in terminals. 20DK-T5's supplied with 14 terminals (2 of each type shown). Type 30DK-T5 with only 2 terminals indicated by *. Shpg. wt., 4 oz.

Stock No.	Type	KV Rating	Dia. x Length	PRICE
15 L 599	20DK-T5	20	1x3 1/32"	2.22/pr.
15 L 597	30DK-T5	30	1 5/16x1¼"	1.76/ea.

"TC" CALCULATOR

Handy slide-rule. Determines parallel NPO and N750 capacitors to equal desired intermediate temp. coeff. and value. 4 oz.
19 L 916.............................18¢

TEMPERATURE-STABLE CERAMICS

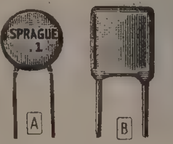
These dependable ceramics are excellent for use wherever minimum capacitance change, with variation in temperature, is an important consideration. Compact size permits easy installation, even in tight spaces. Standard capacitance tolerance, ± 10%. Rated at 1000 working volts, DC. Maximum continuous operating temperature, +82° C. Av. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
13 L 201	V33	3.3	13 L 249	T18	180
13 L 202	V50	5	13 L 250	T20	200
13 L 203	V60	6	13 L 251	T22	220
13 L 204	V68	6.8	13 L 221	T24	240
13 L 205	V75	7.5	13 L 222	T25	250
13 L 206	V80	8	13 L 223	T27	270
13 L 207	Q10	10	13 L 224	T30	300
13 L 208	Q12	12	13 L 225	T33	330
13 L 209	Q15	15	13 L 226	T35	350
13 L 210	Q18	18	13 L 228	T39	390
13 L 211	Q20	20	13 L 229	T40	400
13 L 212	Q22	22	13 L 230	T47	470
13 L 213	Q25	25	13 L 231	T50	500
13 L 214	Q27	27	13 L 232	T56	560
13 L 215	Q30	30	13 L 233	T60	600
13 L 216	Q33	33	13 L 234	T68	680
13 L 217	Q39	39	13 L 235	T75	750
13 L 218	Q47	47	13 L 236	T80	800
13 L 219	Q50	50	13 L 237	T82	820
13 L 220	Q56	56	13 L 238	D10	1000
13 L 241	Q68	68	13 L 239	D12	1200
13 L 242	Q75	75	13 L 252	D15	1500
13 L 243	Q82	82	13 L 254	D18	1800
13 L 244	Q91	91	13 L 255	D20	2000
13 L 245	T10	100	13 L 256	D22	2200
13 L 246	T12	120	13 L 257	D25	2500
13 L 247	T13	130	13 L 258	D27	2700
13 L 248	T15	150	13 L 260	D33	3300

EACH.............................15¢

Stock No.	Type	Mfd	EACH
13 L 259	D30	.003	18¢
13 L 261	D39	.0039	18¢
13 L 262	D40	.004	21¢
13 L 263	D43	.0043	21¢
13 L 264	D47	.0047	18¢
13 L 265	D50	.005	18¢
13 L 266	D56	.0056	24¢
13 L 267	D68	.0068	24¢
13 L 272	D75	.0075	33¢
13 L 273	S10	.01	33¢

LOW-VOLTAGE CERAMICS



Especially designed for circuits requiring extremely small components. Ideal for printed circuits, transistor-type radios, etc. Provide very dependable service in bypass and coupling applications. Have excellent humidity resistance.

A **Type TG.** Have heavy, protective coating. All are rated at 50 working volts, DC. Have tolerance of +80% to −20% except S25, which is +80% to −30%.

Stock No.	Type	Mfd	Dia.	Wt.	EACH
15 L 995	D50	.005	5/16"	2 oz.	15¢
15 L 996	S10	.01	⅜"	3 oz.	15¢
15 L 997	S25	.025	19/32"	3 oz.	15¢
15 L 998	S50	.05	19/32"	3 oz.	30¢
15 L 999	P10	.1	¾"	4 oz.	39¢

B **Monolythic Type.** Solid homogenous block construction assures excellent humidity resistance. Rated 25 working volts, DC. Temperature rating, −55° C to +85° C. Tolerance, ±20%. Size, ½x½x⅛". 2 oz.

Stock No.	Type	Mfd	EACH
16 L 589	5C7	.1	.80
13 L 382	5C8	.15	.92
16 L 698	5C9	.22	1.06
16 L 699	5C10	.33	1.20
16 L 825	5C11	.47	1.38
16 L 823	5C12	.68	1.48
16 L 824	5C13	1.0	1.96

A **Hypercon Type.** Ultra-miniature ceramic discs. Tolerance, guaranteed minimum value. All are rated 3 working volts, DC, except *12 WVDC. Shpg. wt., 2 oz.

Stock No.	Type	Mfd	Dia.	EACH
16 L 671	HY-120	.1	.225"	39¢
16 L 672	HY-125	.22	.275"	24¢
16 L 673	HY-130	.47	.400"	24¢
16 L 674	HY-135	1.0	.595"	30¢
16 L 675	HY-150	2.2	.840"	39¢
16 L 394	HY-310*	.047	.275"	15¢
16 L 395	HY-320*	.1	.400"	15¢
16 L 396	HY-325*	.22	.595"	24¢
16 L 397	HY-330*	.47	.840"	36¢

Miniature and Computer-Grade Electrolytics

SPRAGUE TYPE TE (30D) "LITTL-LYTIC" SUBMINIATURE CAPACITORS

An extensive selection of ultra-small 30D Series electrolytics. Excellent for use in transistor radios, transistor circuits in hearing aids, pocket tape recorders, wireless microphones, and other miniature electronic equipment. Hermetically sealed, aluminum enclosed. All welded construction—no pressure joints to cause open or intermittent circuits. Extremely low leakage current and long shelf life. Withstand temperatures up to 85°C Size given in table below is diameter x length. Av. shpg. wt., 2 oz.

Stock No.	Type TE-	Mfd	WV DC	Size	EA.
11 L 739	1052.2	5	3	1/4x9/16″	.75
11 L 742	1053	25	3	1/4x9/16″	.75
16 L 028	1055	10	3	5/16x9/16″	.75
11 L 747	1058	50	3	5/16x3/4″	.75
11 L 749	1059.5	100	3	5/16x3/4″	.84
16 L 654	1064	200	3	7/16x7/8″	.90
11 L 004	1065	250	3	7/16x1″	.96
16 L 656	1066	300	3	7/16x1″	.99
16 L 658	1068	500	3	7/16x1 9/16″	1.05
16 L 030	1080	1	6	1/4x9/16″	.75
16 L 031	1081	2	6	1/4x9/16″	.75
16 L 032	1082	3	6	1/4x9/16″	.75
16 L 034	1084	5	6	1/4x9/16″	.75
16 L 035	1086	8	6	1/4x9/16″	.81
16 L 036	1087	10	6	5/16x9/16″	.81
16 L 037	1089	15	6	5/16x9/16″	.81
16 L 038	1091	25	6	5/16x3/4″	.81
16 L 039	1092	30	6	5/16x3/4″	.84
16 L 041	1100	50	6	3/8x3/4″	.84
16 L 026	1101	60	6	3/8x3/4″	.84
16 L 659	1101.5	75	6	7/16x3/4″	.87
11 L 753	1102	100	6	7/16x3/4″	.90
11 L 754	1103	150	6	7/16x1″	.93
11 L 007	1104	200	6	7/16x1 5/16″	.96
11 L 008	1105	250	6	7/16x1 5/16″	1.02
16 L 661	1106	300	6	7/16x1 9/16″	1.08
11 L 756	1114	10	10	5/16x9/16″	.81
16 L 043	1118	25	10	5/16x3/4″	.81
16 L 621	1119	50	10	7/16x3/4″	.92
16 L 622	1119.3	100	10	7/16x7/8″	1.02
16 L 623	1119.6	200	10	7/16x1 5/16″	1.20
11 L 757	1120	1	12	1/4x9/16″	.75
11 L 010	1121	2	12	1/4x9/16″	.75
16 L 044	1127	5	12	1/4x9/16″	.81
16 L 045	1128	10	12	5/16x9/16″	.81
11 L 013	1130	20	12	5/16x3/4″	.84
11 L 765	1131	25	12	5/16x3/4″	.84
11 L 014	1132	35	12	3/8x3/4″	.87
11 L 767	1133	50	12	7/16x3/4″	.93
11 L 768	1134	75	12	7/16x7/8″	.99
11 L 769	1135	100	12	7/16x7/8″	1.05
11 L 770	1136	150	12	7/16x1 5/16″	1.14
11 L 771	1137	200	12	7/16x1 5/16″	1.23
11 L 772	1138	250	12	7/16x1 5/16″	1.32
11 L 773	1148	1	15	1/4x9/16″	.75
11 L 774	1149	2	15	1/4x9/16″	.75
11 L 015	1150	3	15	1/4x9/16″	.75
11 L 776	1151	4	15	1/4x9/16″	.78
16 L 624	1152	5	15	5/16x9/16″	.84
11 L 777	1153	6	15	5/16x9/16″	.84
16 L 625	1155	10	15	5/16x9/16″	.84
16 L 626	1156	15	15	5/16x3/4″	.87
11 L 019	1157	20	15	5/16x3/4″	.87
16 L 628	1157.1	25	15	3/8x3/4″	.87
16 L 629	1158	30	15	3/8x3/4″	.90
16 L 631	1160	50	15	7/16x3/4″	.96
11 L 020	1161	75	15	7/16x7/8″	1.02
16 L 633	1162	100	15	7/16x1″	1.08
16 L 634	1163	150	15	7/16x1 5/16″	1.17
16 L 635	1164	200	15	7/16x1 9/16″	1.26
11 L 779	1200	1	25	1/4x9/16″	.75
11 L 780	1201	2	25	1/4x9/16″	.78
11 L 021	1201.1	3	25	1/4x9/16″	.78
11 L 022	1201.2	4	25	1/4x9/16″	.78
16 L 046	1202	5	25	1/4x9/16″	.84
16 L 047	1203	6	25	5/16x3/4″	.84
16 L 048	1204	10	25	5/16x3/4″	.87
16 L 049	1205	15	25	3/8x3/4″	.87
16 L 636	1206	20	25	3/8x11/16″	.90
16 L 637	1207	25	25	3/8x11/16″	.93
16 L 638	1208	35	25	3/8x13/16″	.99
16 L 639	1209	50	25	3/8x15/16″	1.08
11 L 024	1210	75	25	3/8x1 1/4″	1.17
16 L 641	1211	100	25	3/8x1 1/2″	1.26
11 L 784	1300	1	50	1/4x11/16″	.78
16 L 642	1301	2	50	1/4x11/16″	.81
11 L 785	1302	3	50	1/4x11/16″	.81
16 L 643	1302.1	4	50	1/4x11/16″	.81
11 L 786	1303	5	50	1/4x11/16″	.87
11 L 025	1303.1	6	50	5/16x11/16″	.87
11 L 788	1303.3	8	50	5/16x11/16″	.90
11 L 789	1304	10	50	5/16x11/16″	.90
11 L 790	1304.2	15	50	3/8x11/16″	.90
16 L 644	1305	20	50	3/8x13/16″	.90
16 L 662	1306	35	50	3/8x1 1/4	1.02
16 L 645	1307	50	50	3/8x1 1/2″	1.11
11 L 026	1400	1	100	3/8x15/16″	.81
11 L 792	1401	2	100	3/8x15/16″	.84
11 L 793	1402	3	100	3/8x15/16″	.84
11 L 794	1403	4	100	3/8x 15/16″	.84
16 L 646	1404	5	100	3/8x15/16″	.90
16 L 647	1407	10	100	3/8x15/16″	.93
11 L 028	1408	15	100	3/8x1 1/4″	.93
16 L 649	1409	20	100	3/8x1 1/2	.96
11 L 797	1500	1	150	1/8x15/16″	.84
11 L 798	1501	2	150	3/8x15/16″	.87
11 L 029	1502	3	150	3/8x15/16″	.87
11 L 799	1503	4	150	3/8x15/16″	.87
16 L 651	1504	5	150	3/8x15/16″	.93
11 L 801	1506	8	150	3/8x1 1/4″	.96
16 L 652	1507	10	150	3/8x1 1/4″	.96
16 L 030	1508	12	150	3/8x1 1/2″	.96

KEMET C-SERIES 10% TOLERANCE POLARIZED SOLID TANTALUMS

- Low DC Leakage • High Reliability
- Smaller Size with High Capacitance
- Ideal Where Space Is a Problem
- High Capacitance Stability

Small size with high capacity and reliability. Precision-molded epoxy tantalum electrolytic capacitor that is ideal for tight wiring in compact assemblies. Bullet shaped for easy identification of polarity. Molded case provides high moisture resistance. C-Series will give peak performance under conditions of severe shock and vibration. Especially useful for two-way radio, mobile Ham, better-grade entertainment devices. Low DC leakage and high capacity stability at temperatures from −55°C to +85°C. Prices and sizes in table below. **Price depends on case size.** Av. shpg. wt., 2 oz.

PRICE AND SIZE LOCATOR

*Case Size	Diameter x Length	EACH	*Case Size	Diameter x Length	EACH
A	.138x.390″	.63	G	.300x.710″	1.55
B	.190x.562″	.68	H	.365x.875″	2.30
C	.190x.562″	.65	J	.365x.875″	2.30
D	.190x.562″	.71	K	.365x.875″	2.50
E	.300x.710″	1.23	L	.365x.875″	2.55
F	.300x.710″	1.43			

Stock No.	Mfr's Type	Mfd	WV DC	*
17 L 145	KR1C35K	.10	35	A
17 L 146	KR1C50K	.10	50	B
17 L 161	KR15C35K	.15	35	A
17 L 162	KR15C50K	.15	50	B
17 L 177	KR22C35K	.22	35	A
17 L 178	KR22C50K	.22	50	B
17 L 194	KR33C35K	.33	35	A
17 L 195	KR33C50K	.33	50	B
17 L 214	KR47C35K	.47	35	A
17 L 215	KR47C50K	.47	50	B
17 L 232	KR68C35K	.68	35	A
17 L 233	KR68C50K	.68	50	B
17 L 260	K1C35K	1.0	35	A
17 L 261	K1C50K	1.0	50	B
17 L 285	K1R5C20K	1.5	20	A
17 L 286	K1R5C35K	1.5	35	C
17 L 287	K1R5C50K	1.5	50	D
17 L 311	K2R2C20K	2.2	20	A
17 L 312	K2R2C35K	2.2	35	C
17 L 313	K2R2C50K	2.2	50	D
17 L 338	K3R3C15K	3.3	15	A
17 L 339	K3R3C35K	3.3	35	C
17 L 340	K3R3C50K	3.3	50	D
17 L 364	K4R7C10K	4.7	10	A
17 L 365	K4R7C35K	4.7	35	C
17 L 366	K4R7C50K	4.7	50	D
17 L 391	K6R8C6K	6.8	6	A
17 L 392	K6R8C35K	6.8	35	C
17 L 393	K6R8C50K	6.8	50	G
17 L 660	K10C20K	10	20	C
17 L 661	K10C35K	10	35	F
17 L 662	K10C50K	10	50	G
17 L 688	K15C20K	15	20	C
17 L 689	K15C35K	15	35	F
17 L 690	K15C50K	15	50	G
17 L 715	K22C15K	22	15	C
17 L 716	K22C35K	22	35	F
17 L 717	K22C50K	22	50	L
17 L 737	K33C10K	33	10	C
17 L 738	K33C20K	33	20	E
17 L 739	K33C35K	33	35	J
17 L 759	K47C6K	47	6	C
17 L 760	K47C20K	47	20	E
17 L 761	K47C35K	47	35	K
17 L 779	K68C15K	68	15	E
17 L 780	K68C20K	68	20	H
17 L 793	K100C10K	100	10	E
17 L 794	K100C20K	100	20	H
17 L 808	K150C6K	150	6	E
17 L 809	K150C15K	150	15	H
17 L 823	K220C10K	220	10	H
17 L 829	K330C6K	330	6	H

MALLORY TYPE CG COMPUTER-GRADE ELECTROLYTICS

- High Capacitance—Up to 100,000 Mfd!
- Pressure Vent—No Leakage
- Temp. Range, −20 to +85°C

Aluminum electrolytics for high reliability in power supplies of military and commercial computers. Available in wide range of capacitance values and working voltages. Wide use means quantity production, lowering costs, and providing you with the highest capacitance per dollar you can buy. Before the advent of computers, high capacitance units cost twice as much as these without their high reliability. Has pressure-sensitive safety vent design for extended life—no electrolytic leakage. Range: −20 to +85°C.

Capacity tolerance: −10 to +75% of units rated to 150 WVDC; others, −10 to +50%. 4⅛″ high except *5⅜″. (See index for vertical mounting clamps; 2″ dia. electrolytic uses VR-8, 3″ dia. uses VR-12.) Av. shpg. wt., 1 lb.

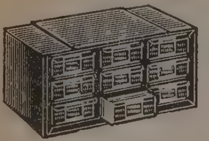
Stock No.	Mfr's Type	Mfd	WV DC	Surge VDC	Dia.	EACH
18 L 107	CG1153U5G1*	115,000	3	5	3″	6.52
18 L 123	CG653U5F1	65,000	5	7	3″	5.40
18 L 108	CG15U5G1*	100,000	5	7	3″	6.83
18 L 100	CG822U10C1	8200	10	15	1⅜″	2.19
18 L 101	CG1352U10K1	13,500	10	15	2″	2.07
18 L 124	CG183U10D1	18,000	10	15	2″	3.32
18 L 125	CG4352U10F1	43,500	10	15	3″	6.21
18 L 109	CG683U10G1*	68,000	10	15	3″	6.74
18 L 102	CG252U15A1	2500	15	20	1⅜″	1.40
18 L 126	CG143U15D1	14,000	15	20	2″	3.47
18 L 127	CG343U15F1	34,000	15	20	3″	5.39
18 L 128	CG852U25D1	8500	25	40	2″	3.01
18 L 129	CG24U25F1	20,000	25	40	3″	5.05
18 L 110	CG3152U25G1*	31,500	25	40	3″	6.33
18 L 130	CG452U50D1	4500	50	75	2″	2.67
18 L 131	CG14U50F1	10,000	50	75	3″	5.17
18 L 132	CG3451U75D1	3450	75	100	2″	3.11
18 L 133	CG822U75F1	8200	75	100	3″	5.75
18 L 111	CG1252U75G1*	12,500	75	100	3″	6.89
18 L 134	CG2251U100D1	2250	100	135	2″	3.15
18 L 135	CG532U100F1	5300	100	135	3″	5.32
18 L 136	CG1551U150D1	1550	150	190	1¾″	3.13
18 L 137	CG362U150F1	3600	150	190	3″	5.41
18 L 112	CG562U150G1*	5600	150	190	3″	7.01
18 L 138	CG13T200D1	1000	200	250	2″	3.48
18 L 139	CG2451T200F1	2450	200	250	3″	5.25
18 L 113	CG382T200G1*	3800	200	250	3″	7.26
18 L 140	CG82T250D1	800	250	300	2″	3.65
18 L 141	CG192T250F1	1900	250	300	3″	5.85
18 L 114	CG33T250G1*	3000	250	300	3″	7.40
18 L 142	CG72T300D1	700	300	350	2″	3.66
18 L 143	CG1651T300F1	1650	300	350	3″	6.45
18 L 144	CG551T350D1	550	350	400	2″	3.87
18 L 145	CG132T350F1	1300	350	400	3″	6.26
18 L 115	CG23T350G1*	2000	350	400	3″	7.75
18 L 146	CG3250T400D1	325	400	475	2″	2.92
18 L 147	CG241T450D1	240	450	525	2″	2.81

SPRAGUE
THE MARK OF RELIABILITY

Capacitor Assortments and Electrolytics

FREE CABINETS, CASES OR TRAYS WITH ASSORTMENTS

CAPACITORS WITH CABINETS

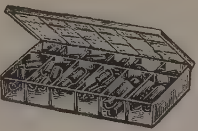


EK-9 Deluxe
Electrolytic
Capacitor
Assortment
9 Drawer
Cabinet
FREE

EK-9 Deluxe Assortment. One each of 18 TVA electrolytic capacitors with FREE 9-drawer plastic cabinet. Consists of 25 mfd, 25 v.; 100 mfd, 25 v.; 5 mfd, 50 v.; 10 mfd, 50 v.; 25 mfd, 50 v.; 50 mfd, 50 v.; 100 mfd, 50 v.; 20 mfd, 150 v.; 40 mfd, 150 v.; 150 mfd, 150 v.; 8 mfd, 450 v.; 10 mfd, 450 v.; 20 mfd, 450 v.; 30 mfd, 450 v.; 40 mfd, 450 v.; 80 mfd, 450 v.; 50-30 mfd, 150 v.; 50-50 mfd, 150 v. 5x9¾x6¼″. Wt., 3 lbs.
19 L 280.......................**16.14**

TK-6 Assortment (Not illus.) 119 "Black Beauty" tubulars (packaged in reusable plastic boxes) with FREE 2-drawer steel cabinet. All units 600 WVDC. Includes ten .001, ten .002, five .003, fifteen .005, twenty-five .01; ten .02, five .03, twenty .05, fifteen .1, four .25 mfd. 4½x7x9½. Wt., 8 lbs.
19 L 646.......................**23.96**

WITH CLEAR PLASTIC CASES



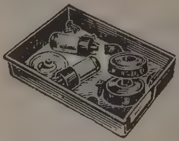
Clear
Plastic
Case
(1¾x11x6½″)
FREE
With Each
Assortment

TK-1 Assortment. 72 Black Beauty 600 WVDC capacitors in FREE plastic case. Includes: 5—.001, 5—.002, 2—.0047, 8—.005, 15—.01, 8—.02, 2—.03, 5—.047, 12—.05, 8—.1, 2—.25 mfd. Wt., 2 lbs
13 L 507.......................**14.70**

TK-3 Assortment. 36 Black Beauty 1600 WVDC buffers in FREE plastic case. 2 each .001, .002, .003; 4 each .004, .005, .006; 2—.0068; 5—.007; 4—.008; 3—.01; 2 each .02, .03 mfd. Wt., 2½ lbs.
13 L 509.......................**14.25**

EK-1 Assortment. 15 TVA Atom electrolytic capacitors in FREE plastic case. Includes: 2 each 40 mfd/450WVDC, 20/450, 10/450; 1 each 80/450, 30/450, 8/450, 50-50/150, 50-30/150, 20/150, 10/50, 5/50, 25/25. Shpg. wt., 2 lbs.
13 L 508.......................**13.98**

TUBULARS WITH JOB TRAYS

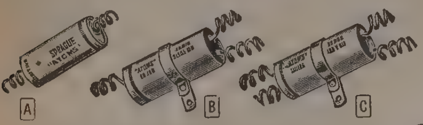


Get This Handy Job-Tray FREE With Either Of the Capacitor Assortments Listed Below

High-impact Plastic Tray Won't Crack or Shatter Even if Dropped. Has Built-in Slot For Indenfification Tag. 1½x6x9″.

TK-26 Assortment. Has 40 "Black Beauty" molded tubulars plus job tray. Consists of 5 each—.001, .002, .005, .01, .02, .047, .05, and .1. All are 600 WVDC. Feature dual dielectric —combination of polyester film and special tissue. Wt., 1½ lbs.
19 L 291.......................**7.80**

TK-27 Assortment. 40 "Orange Drop" dipped tubular capacitors plus job tray. Consists of 5 each—.001, .0047, .005, .01, .02, .047, .05, and .1. All are rated at 600WVDC. Capacitors are double-dipped in orange epoxy resin. Shpg. wt., 1½ lbs.
19 L 292.......................**7.80**



TVA ATOMS—MIDGET ELECTROLYTICS

Very compact dry electrolytics. All are metal-cased except, †cardboard construction. Engineered especially for replacements in tough TV applications—such as power supplies, decoupling circuits, cathode bypass circuits, etc. Will withstand the high surge voltages and high ripple currents commonly found in television circuits. Very low leakage. Operate efficiently at temperatures as high as 85°C. Av. shpg. wt., 6 oz.

A SINGLE SECTION

Stock No.	Type TVA-	Mfd	WV DC	Size	EA.
15 L 981	1100	50	6	3/8x1 1/4″	.57
16 L 230	1101	100	6	1/2x1 1/8″	.72
16 L 231	1102	250	6	5/8x1 7/16″	.81
16 L 232	1103	500	6	5/8x2 3/16″	.93
15 L 801	1104	1000	6	3/4x2 13/16″	1.14
16 L 233	1105	1500	6	13/16x2 11/16″	1.26
15 L 861	1106	2000	6	13/16x2 15/16″	1.38
16 L 234	1130	100	12	9/16x1 3/16″	.72
15 L 862	1131	250	12	5/8x1 11/16″	.87
15 L 863	1132	500	12	3/4x1 11/16″	1.02
16 L 235	1133	1000	12	13/16x2 3/16″	1.35
16 L 236	1160	100	15	5/8x1 3/16″	.75
16 L 237	1161	250	15	5/8x1 11/16″	.93
16 L 238	1162	500	15	11/16x2 3/16″	1.05
16 L 239	1163	1000	15	7/8x2 3/16″	1.38
15 L 803	1170	2000	15	1x3 11/16″	1.92
15 L 207	1203	5	25	3/8x1 1/4″	.60
15 L 205	1204	10	25	3/8x1 1/4″	.60
15 L 805	1204.5	20	25	1/2x1 1/4″	.60
15 L 206	1205	25	25	3/8x1 1/4″	.60
15 L 208	1206	50	25	9/16x1 3/16″	.66
15 L 867	1207	100	25	9/16x1 11/16″	.81
15 L 868	1208	250	25	3/4x1 11/16″	1.02
15 L 869	1209	500	25	7/8x2 3/16″	1.38
15 L 870	1300	1	50	3/8x1 1/4″	.54
15 L 871	1301	2	50	3/8x1 1/4″	.54
15 L 200	1303	5	50	3/8x1 1/4″	.60
15 L 201	1304	10	50	3/8x1 1/4″	.60
15 L 202	1306	25	50	7/16x1 3/8″	.63
15 L 203	1308	50	50	9/16x1 11/16″	.72
15 L 876	1310	100	50	3/4x1 11/16″	.84
15 L 858	1311	150	50	3/4x1 11/16″	.93
15 L 859	1312	250	50	15/16x1 11/16″	1.05
15 L 806	1315	500	50	1x1 15/16″	1.44
15 L 192	1402	4	150	3/8x1 1/4″	.60
16 L 241	1403	5	150	3/8x1 1/4″	.60
15 L 193	1405	8	150	3/8x1 3/4″	.63
15 L 226	1406	10	150	3/8x1 3/4″	.63
15 L 194	1407	12	150	1/2x1 5/8″	.66
15 L 195	1409	16	150	9/16x1 11/16″	.69
15 L 196	1410	20	150	5/16x1 11/16″	.72
16 L 242	1411	25	150	5/8x1 11/16″	.75
15 L 197	1412	30	150	5/8x1 11/16″	.78
15 L 198	1413	40	150	3/4x1 11/16″	.81
15 L 199	1414	50	150	13/16x1 11/16″	.84
16 L 243	1415	60	150	7/8x1 11/16″	.90
15 L 878	1418	80	150	7/8x1 15/16″	.96
16 L 619	1420	100	150	7/8x2 3/16″	1.05
16 L 240	1422	150	150	1x2 3/16″	1.14
16 L 244	1423†	200	150	1x3 13/16″	1.32
16 L 245	1425†	300	150	1 3/8x3 7/8″	1.53
16 L 246	1480	200	200	1 3/8x3 3/8″	1.74
15 L 185	1501	4	250	7/16x1 5/8″	.60
15 L 186	1503	8	250	1/2x1 5/8″	.69
16 L 617	1504	10	250	9/16x1 11/16″	.72
15 L 187	1505	12	250	9/16x1 11/16″	.75
15 L 189	1508	20	250	11/16x1 11/16″	.81
16 L 618	1510	30	250	11/16x2 3/16″	.87
15 L 190	1511	40	250	3/4x2 3/16″	.93
15 L 807	1512	50	250	3/4x2 3/16″	1.02
15 L 808	1513	60	250	13/16x2 13/16″	1.08
16 L 247	1575†	140	300	1 3/8x3 3/8″	1.89
16 L 616	1601	4	350	1/2x1 5/8″	.63
15 L 181	1603	8	350	5/8x1 11/16″	.72
15 L 184	1608	20	350	13/16x1 11/16″	.87
15 L 809	1610	30	350	13/16x2 3/16″	.99
15 L 983	1611	40	350	7/8x2 7/16″	1.05
15 L 984	1613	60	350	1x2 7/16″	1.17
15 L 812	1620	100	350	1x3 7/16″	1.86
16 L 615	1701	2	450	7/16x1 5/8″	.66
15 L 170	1702	4	450	9/16x1 11/16″	.69
15 L 171	1704	8	450	11/16x1 11/16″	.75
15 L 225	1705	10	450	11/16x1 11/16″	.78
15 L 172	1706	12	450	3/4x1 11/16″	.81
15 L 173	1708	16	450	3/4x2 3/16″	.84
15 L 174	1709	20	450	3/4x2 3/16″	.93
15 L 169	1711	30	450	7/8x2 3/16″	1.02
15 L 178	1712	40	450	7/8x2 11/16″	1.08
15 L 991	1713	50	450	7/8x3 3/16″	1.26
16 L 248	1714	60	450	1x3 11/16″	1.41
15 L 985	1716	80	450	1x3 11/16″	1.68
18 L 219	1718	100	450	1 3/8x3 15/16″	1.92
15 L 175	1902	8	500	7/8x1 11/16″	.78
15 L 176	1905	16	500	15/16x2 3/16″	.90
15 L 177	1906	20	500	1x2 3/16″	.96
16 L 249	1962	8	600	1x3 1/16″	1.71
16 L 256	1963	10	600	1x3 1/16″	1.77
16 L 257	1965	16	600	1x4 1/16″	2.07
16 L 258	1966	20	600	1x4 1/16″	2.13

B DUAL SECTION

Stock No.	Type TVA-	Mfd	WVDC	Size	EACH
15 L 247	2428	20-20	150	7/8x1 7/16″	.99
15 L 252	2438	40-20	150	7/8x1 11/16″	1.05
15 L 251	2434	30-30	150	7/8x1 11/16″	1.08
15 L 250	2442	40-30	150	7/8x1 15/16″	1.08
15 L 243	2445	40-40	150	7/8x1 15/16″	1.11
15 L 244	2450	50-30	150	7/8x1 15/16″	1.17
15 L 305	2453	50-50	150	7/8x2 7/16″	1.26
15 L 306	2460	80-30	150	7/8x2 7/16″	1.32
15 L 258	2461	80-40	150	7/8x2 7/16″	1.32
16 L 259	2462	80-50	150	7/8x2 15/16″	1.41
15 L 256	2463	100-50	150	1x1 1/16″	1.59
16 L 262	2464	100-100†	150	1 3/8x2 15/16″	1.92
16 L 263	2467	200-5†	150	1x3 7/8″	1.59
15 L 257	2515	20-20	250	7/8x1 15/16″	1.11
18 L 221	2640	140-5†	350	1 1/4x3 7/8″	2.49
15 L 220	2720	8-8	450	7/8x1 11/16″	1.12
15 L 884	2722	10-10	450	7/8x1 15/16″	1.11
15 L 227	2730	20-20	450	7/8x2 15/16″	1.50
15 L 986	2735	30-30	450	1x3 3/16″	1.80
15 L 987	2740	40-40	450	1x3 15/16″	2.04

C TRIPLE SECTION

Stock No.	Type TVA-	Mfd	WVDC	Size	EACH
15 L 307	3440	20-20-20	150	7/8x1 11/16″	1.50
15 L 800	3446	40-20-20	150	7/8x1 15/16″	1.35
15 L 308	3448	40-30-20	150	7/8x2 3/16″	1.56
15 L 814	3450	40-40-20	150	7/8x2 7/16″	1.41
15 L 309	3451	40-40-40	150	1x2 7/16″	1.68
18 L 222	3453	50-30-20	150	1x2 7/16″	1.62
15 L 327	3455	80-40-20	150	1x2 15/16″	1.74
15 L 988	3415	20-20-20	150-150-25	7/8x1 7/16″	1.47
15 L 811	3422.9	40-20-20	150-150-25	7/8x1 11/16″	1.52
15 L 312	3423	40-30-20	150-150-25	7/8x1 15/16″	1.50
15 L 813	3425	40-40-20	150-150-25	7/8x2 13/16″	1.59
15 L 313	3430	50-30-20	150-150-25	7/8x2 3/16″	1.59
15 L 314	3436	50-50-20	150-150-25	15/16x2 3/16″	1.65
18 L 223	3437.1	80-40-20	150-150-25	1x1 15/16″	1.68

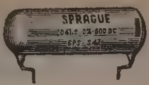
QUADRUPLE SECTION

Stock No.	Type TVA-	Mfd	WVDC	Size	EACH
16 L 284	4576†	140-5-200-30	300-300-200-150	1 1/2x4 7/8″	3.63
18 L 225	4748†	40-20-20-10	450	1 3/8x4 3/8″	2.82
15 L 856	4750†	40-40-20-20	450	1 1/2x4 1/4″	3.27

Mylar and Miniature Electrolytics

SPRAGUE
THE MARK OF RELIABILITY

"ORANGE DROP" CAPACITORS "MYLAR"-PAPER



Extremely small tubular capacitors. Dual dielectric windings, rock hard case, radial leads. The choice of many leading manufacturers. Exact replacements in printed circuits of RCA, Philco and G.E. Double-dipped in orange epoxy resin to guard against heat and moisture. ±10%. Wt., 2 oz.

200 WVDC

Stock No.	Type	Mfd	Size	EACH
13 L 017	2PS-S20	.02	3/8x7/8"	15¢
13 L 139	2PS-S22	.022	25/64x7/8"	15¢
13 L 018	2PS-S47	.047	29/64x7/8"	15¢
13 L 019	2PS-S50	.05	15/32x7/8"	15¢
13 L 020	2PS-P10	.1	31/64x1 3/16"	21¢
13 L 138	2PS-P20	.2	19/32x1 5/16"	24¢
13 L 021	2PS-P25	.25	5/8x1 5/16"	24¢
17 L 917	2PS-P33	.33	5/8x1 5/8"	30¢
17 L 912	2PS-P47	.47	45/64x1 5/8"	36¢
13 L 022	2PS-P50	.5	23/32x1 5/8"	36¢

400 WVDC

Stock No.	Type	Mfd	Size	EACH
13 L 023	4PS-S10	.01	13/32x1 1/16"	15¢
13 L 137	4PS S15	.015	29/64x1 1/16"	15¢
13 L 024	4PS-S20	.02	13/32x7/8"	15¢
13 L 025	4PS-S30	.03	29/64x7/8"	18¢
13 L 026	4PS-S47	.047	29/64x1 3/16"	18¢
13 L 027	4PS-S50	.05	29/64x1 3/16"	18¢
17 L 911	4PS S68	.068	33/64x1 3/16"	21¢
13 L 028	4PS-P10	.1	37/64x1 3/16"	21¢
13 L 029	4PS-P20	.2	19/32x1 5/8"	27¢
13 L 030	4PS-P22	.22	39/64x1 5/8"	27¢
13 L 031	4PS-P25	.25	41/64x1 5/8"	30¢

600 WVDC

Stock No.	Type	Mfd	Size	EACH
13 L 032	6PS D10	.001	21/64x1 1/16"	15¢
13 L 033	6PS-D15	.0015	21/64x1 1/16"	15¢
13 L 034	6PS-D20	.002	21/64x1 1/16"	15¢
13 L 036	6PS-D22	.0022	21/64x1 1/16"	15¢
17 L 926	6PS-D25	.0025	21/64x1 1/16"	15¢
13 L 038	6PS-D30	.003	11/32x1 1/16"	15¢
17 L 914	6PS D33	.0033	23/64x1 1/16"	
17 L 928	6PS-D39	.0039	3/8x1 1/16"	
13 L 042	6PS-D40	.004	3/8x1 1/16"	
13 L 043	6PS-D47	.0047	25/64x1 1/16"	
13 L 049	6PS-D50	.005	25/64x1 1/16"	15¢
17 L 929	6PS-D56	.0056	25/64x1 1/16"	15¢
13 L 051	6PS-D68	.0068	13/32x1 1/16"	18¢
17 L 930	6PS 082	.0082	3/8x7/8"	18¢
13 L 052	6PS-S10	.01	25/64x7/8"	18¢
13 L 053	6PS-S15	.015	27/64x7/8"	18¢
13 L 054	6PS-S20	.02	31/64x7/8"	18¢
13 L 055	6PS-S22	.022	31/64x7/8"	18¢
17 L 901	6PS-S25	.025	17/32x7/8"	21¢
13 L 056	6PS-S30	.03	7/16x1 3/16"	21¢
17 L 935	6PS-S33	.033	15/32x1 3/16"	21¢
17 L 936	6PS-S39	.039	31/64x1 3/16"	21¢
13 L 058	6PS-S47	.047	17/32x1 3/16"	24¢
13 L 059	6PS-S50	.05	17/32x1 3/16"	24¢
17 L 904	6PS-S56	.056	35/64x1 3/16"	24¢
17 L 905	6PS-S68	.068	37/64x1 3/16"	27¢
13 L 143	6PS-S82	.082	37/64x1 5/16"	27¢
13 L 060	6PS P10	.1	5/8x1 5/16"	27¢
17 L 913	6PS-P15	.15	43/64x1 5/8"	30¢
13 L 061	6PS-P20	.2	3/4x1 5/8"	38¢
17 L 908	6PS-P22	.22	25/32x1 5/8"	42¢
13 L 062	6PS-P25	.25	13/16x1 5/8"	45¢

"BLACK BEAUTY"—"MYLAR" PAPER TELECAPS

Hi-temp molded plastic cased tubulars. Highly resistant to heat and moisture; ruggedly built; completely insulated. Features special "DIFILM" ("Mylar" paper) type dielectric. 200 to 1600 v. types operate to 105° C; 6000 v. and up types, operate to 85°C. 6000-volt types are all paper dielectric, oil impregnated for best high voltage performance. All are ±10% tolerance. Av. shpg. wt., 3 oz.

200 WVDC

Stock No.	Type	Mfd	Size	EA.
15 L 119	2TM-S10	.01	5/16x1"	15¢
15 L 120	2TM-S20	.02	3/8x1 1/4"	15¢
15 L 000	2TM-S22	.022	3/8x1 1/4"	15¢
15 L 149	2TM-S47	.047	7/16x1 1/4"	15¢
15 L 121	2TM-S50	.05	7/16x1 1/4"	15¢
15 L 122	2TM-P10	.1	1/2x1 1/2"	21¢
15 L 145	2TM-P15	.15	1/2x1 1/2"	21¢
15 L 146	2TM-P22	.22	5/8x1 7/8"	24¢
15 L 147	2TM-P25	.25	5/8x1 7/8"	24¢
15 L 148	2TM-P47	.47	3/4x2 1/4"	36¢
15 L 123	2TM-P50	.5	3/4x2 1/4"	36¢
15 L 124	2TM-M1	1.0	3/4x2 1/4"	36¢

400 WVDC

Stock No.	Type	Mfd	Size	EA.
15 L 118	4TM-D10	.001	5/16x1"	15¢
15 L 117	4TM-D50	.005	5/16x1"	15¢
15 L 125	4TM-S10	.01	3/8x1 1/4"	15¢
15 L 001	4TM-S15	.015	3/8x1 1/4"	15¢
15 L 126	4TM-S20	.02	3/8x1 1/4"	15¢
15 L 013	4TM-S22	.022	3/8x1 1/4"	18¢
15 L 002	4TM-S25	.025	7/16x1 1/4"	18¢
15 L 003	4TM-S30	.03	7/16x1 1/4"	18¢
15 L 004	4TM-S40	.04	7/16x1 1/4"	18¢
15 L 014	4TM-S47	.047	7/16x1 1/4"	18¢
15 L 127	4TM-S50	.05	1/2x1 1/2"	18¢
15 L 015	4TM-S68	.068	1/2x1 1/2"	21¢
15 L 128	4TM-P10	.1	1/2x1 1/2"	21¢
15 L 011	4TM-P15	.15	5/8x1 7/8"	24¢
15 L 521	4TM-P20	.2	5/8x1 7/8"	27¢
15 L 012	4TM-P22	.22	5/8x1 7/8"	27¢
15 L 129	4TM-P25	.25	3/4x2 1/4"	30¢
15 L 005	4TM-P47	.47	3/4x2 1/4"	45¢
15 L 010	4TM-P50	.5	3/4x2 1/4"	45¢
15 L 009	4TM M1	1.0	1x2 1/2"	75¢

600 WVDC

Stock No.	Type	Mfd	Size	EA.
16 L 250	6TM-T10	.0001	5/16x1"	15¢
16 L 251	6TM-T25	.00025		
16 L 253	6TM-T50	.0005		
15 L 070	6TM-D10	.001		
15 L 084	6TM-D15	.0015		
15 L 071	6TM-D20	.002		15¢
15 L 092	6TM-D22	.0022	5/16x1"	
15 L 095	6TM-D25	.0025	5/16x1"	
15 L 072	6TM-D30	.003		
15 L 522	6TM-D33	.0033		
15 L 073	6TM-D40	.004	3/8x1 1/4"	15¢
15 L 093	6TM-D47	.0047		
15 L 074	6TM D50	.005		
15 L 075	6TM-D60	.006		
16 L 254	6TM-D68	.0068	3/8x1 1/4"	18¢
15 L 076	6TM-S10	.01	3/8x1 1/4"	
15 L 094	6TM-S15	.015	3/8x1 1/4"	
15 L 077	6TM-S20	.02	7/16x1 1/4"	
16 L 255	6TM-S22	.022	7/16x1 1/4"	
15 L 096	6TM-S25	.025	7/16x1 1/4"	
15 L 078	6TM-S30	.03	7/16x1 1/4"	21¢
15 L 526	6TM-S33	.033	7/16x1 1/4"	21¢
15 L 079	6TM-S40	.04	1/2x1 1/2"	21¢
15 L 098	6TM-S47	.047	1/2x1 1/2"	24¢
15 L 080	6TM-S50	.05	1/2x1 1/2"	24¢

600 WVDC (Cont'd)

Stock No.	Mfr's Type	Mfd.	Size	EA.
15 L 081	6TM-S60	.06	1/2x1 1/2"	.24
15 L 007	6TM-S68	.068	1/2x1 1/2"	.27
15 L 082	6TM-P10	.1	5/8x1 7/8"	.27
15 L 524	6TM-P15	.15	5/8x1 7/8"	.30
15 L 525	6TM-P20	.2	3/4x2 1/4"	.39
15 L 008	6TM-P22	.22	3/4x2 1/4"	.42
15 L 083	6TM-P25	.25	3/4x2 1/4"	.45
15 L 016	6TM-P47	.47	1x2 1/2"	.75
16 L 260	6TM-P50	.5	1x2 1/2"	.75
16 L 261	6TM-M1	1.0	1x2 1/2"	1.05

1000 WVDC

Stock No.	Mfr's Type	Mfd.	Size	EA.
15 L 928	10TM-T50	.0005	5/16x1"	30¢
15 L 929	10TM-D10	.001	5/16x1"	
15 L 930	10TM-D15	.0015	5/16x1"	
15 L 931	10TM-D20	.002	3/8x1 1/4"	
15 L 933	10TM-D30	.003	3/8x1 1/4"	
15 L 936	10TM-D50	.005	3/8x1 1/4"	30¢
15 L 937	10TM-D68	.0068	3/8x1 1/4"	
15 L 938	10TM-S10	.01	7/16x1 1/4"	
15 L 939	10TM-S15	.015	1/2x1 1/2"	
15 L 940	10TM-S20	.02	1/2x1 1/2"	
15 L 942	10TM-S30	.03	5/8x1 7/8"	30¢
15 L 944	10TM-S47	.047	5/8x1 7/8"	36¢
15 L 945	10TM-S50	.05	5/8x1 7/8"	36¢
15 L 946	10TM-S68	.068	5/8x1 7/8"	42¢
15 L 947	10TM-P10	.1	3/4x2 1/4"	45¢

1600 WVDC

Stock No.	Mfr's Type	Mfd.	Size	EA.
16 L 270	MB-T5	.0005	3/8x1 1/4"	39¢
15 L 019	MB-D1	.001	3/8x1 1/4"	
16 L 271	MB-D15	.0015	3/8x1 1/4"	
15 L 158	MB-D2	.002	3/8x1 1/4"	
16 L 272	MB-D22	.0022	3/8x1 1/4"	
16 L 273	MB-D33	.0033	7/16x1 1/4"	
16 L 274	MB-D47	.0047	1/2x1/2"	39¢
15 L 161	MB-D5	.005	1/2x1/2"	
15 L 162	MB-D6	.006	1/2x1 1/2"	
16 L 275	MB-D68	.0068		
15 L 163	MB-D7	.007		
15 L 165	MB-D8	.008	5/8x1 7/8"	
15 L 166	MB-S1	.01	5/8x1 7/8"	42¢
15 L 167	MB-S15	.015	5/8x1 7/8"	
15 L 168	MB-S2	.02	5/8x1 7/8"	
16 L 277	MB-S3	.03	3/4x2 1/4"	
16 L 278	MB-S4	.04	3/4x2 1/4"	
16 L 280	TR-15	.05	3/4x2 1/8"	

6000 WVDC

Stock No.	Mfr's Type	Mfd.	Size	EA.
15 L 850	TVM-356	.0005	1/2x1 1/2"	81¢
15 L 851	TVM-216	.001	1/2x1 1/2"	81¢
15 L 852	TVM-256	.005	5/8x1 7/8"	81¢

10,000 WVDC

Stock No.	Mfr's Type	Mfd.	Size	EA.
15 L 853	TVM-351	.0005	5/8x1 7/8"	90¢

SERIES TL TRANSI-LYTIC CAPACITORS

Miniature electrolytic capacitors specially designed for transistorized circuit applications. Ideal for replacement use in pocket radios, walkie-talkies, intercoms, etc. Utilize special low leakage construction for transistor circuits and plastic case with thermosetting end-seals for excellent resistance to humidity. Operating temperature from −20°C to +65°C. Tolerance, −10% to +100% of rated capacitance measured at 120 cps and 25°C. Av. wt., 3 oz.

Stock No.	Mfr's Type	Mfd	WV DC	Size Dia.xL.	EA.
14 L 072	TL1050	1	3	.180x.57	42¢
14 L 073	TL1051	2	3	.180x.57	
14 L 074	TL1052.2	5	3	.180x.57	
14 L 075	TL1052.5	8	3	.180x.57	
14 L 076	TL1053	10	3	.180x.57	
14 L 077	TL1055	25	3	.250x.82	42¢
14 L 078	TL1058	50	3	.250x.82	42¢
14 L 079	TL1059.5	100	3	.250x.82	45¢
14 L 080	TL1061	150	3	.375x1.07	54¢
14 L 081	TL1064	200	3	.375x1.07	54¢
14 L 082	TL1065	250	3	.375x1.07	66¢
14 L 083	TL1080	1	6	.180x.57	42¢
14 L 084	TL1081	2	6	.180x.57	
14 L 085	TL1084	5	6	.180x.57	
14 L 086	TL1086	8	6	.180x.57	
14 L 087	TL1087	10	6	.210x.70	
14 L 088	TL1091	25	6	.250x.82	42¢

Stock No.	Mfr's Type	Mfd	WV DC	Size Dia. x L.	EA.
14 L 089	TL1100	50	6	.312x.82	42¢
14 L 090	TL1102	100	6	.375x1.07	45¢
14 L 091	TL1103	150	6	.375x1.07	60¢
14 L 092	TL1103.5	175	6	.375x1.07	60¢
14 L 093	TL1120	1	12	.180x.57	42¢
14 L 094	TL1121	2	12	.180x.57	42¢
14 L 095	TL1127	5	12	.180x.57	
14 L 096	TL1127.3	8	12	.210x.70	
14 L 097	TL1128	10	12	.210x.70	
14 L 098	TL1131	25	12	.250x.82	
14 L 099	TL1133	50	12	.312x.82	
14 L 100	TL1135	100	12	.375x1.07	45¢
14 L 101	TL1148	1	16	.180x.57	42¢
14 L 103	TL1149	2	16	.180x.57	42¢
14 L 104	TL1152	5	16	.218x.37	42¢
14 L 105	TL1154	8	16	.210x.70	42¢
14 L 106	TL1155	10	16	.250x.82	45¢

Stock No.	Mfr's Type	Mfd	WV DC	Size Dia. x L.	EA.
14 L 107	TL1157.1	25	16	.250x.82	45¢
14 L 108	TL1160	50	16	.375x1.07	45¢
14 L 109	TL1162	100	16	.375x1.07	48¢
14 L 110	TL1170	1	20	.180x.57	42¢
14 L 111	TL1171	2	20	.180x.57	42¢
14 L 112	TL1174	5	20	.210x.70	45¢
14 L 113	TL1176	8	20	.210x.70	45¢
14 L 114	TL1177	10	20	.250x.82	45¢
14 L 115	TL1180	25	20	.312x.82	54¢
14 L 116	TL1182	50	20	.375x1.07	54¢
14 L 117	TL1200	1	25	.180x.57	42¢
14 L 118	TL1201	2	25	.180x.57	42¢
14 L 119	TL1202	5	25	.250x.82	45¢
14 L 120	TL1203.5	8	25	.250x.82	45¢
14 L 121	TL1204	10	25	.250x.82	45¢
14 L 122	TL1207	25	25	.375x.107	54¢
14 L 123	TL1209	50	25	.375x1.07	54¢

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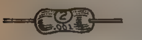
Capacitors, Motor Starters and Noise Filters

SPRAGUE CAPACITORS AND NOISE FILTERS

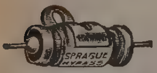
"PACER" MINIATURE CAPACITORS



3 times smaller than conventional paper-film tubulars. Non-inductive. Metal caps over foil sections. 200 WVDC. −55°C to +85°C. Derate 50% at 105°C. Tolerance, ±10%. 2 oz.

Stock No.	Mfr's Type	Mfd	Size	EACH
10 L 334	192P47192	.00047	9/64x5/16″	33¢
10 L 360	192P56192	.00056	9/64x5/16″	30¢
10 L 361	192P68192	.00068	9/64x5/16″	30¢
10 L 362	192P82192	.00082	9/64x5/16″	30¢
10 L 335	192P10292	.001	9/64x5/16″	27¢
10 L 336	192P12292	.0012	9/64x5/16″	
10 L 337	192P15292	.0015	9/64x5/16″	
10 L 338	192P18292	.0018	11/64x5/16″	
10 L 339	192P22292	.0022	11/64x5/16″	27¢
10 L 340	192P27292	.0027	11/64x5/16″	
10 L 341	192P33292	.0033	11/64x5/16″	
10 L 342	192P39292	.0039	11/64x7/16″	
10 L 343	192P47292	.0047	11/64x7/16″	27¢
10 L 344	192P56292	.0056	11/64x7/16″	27¢
10 L 345	192P68292	.0068	11/64x7/16″	27¢
10 L 346	192P82292	.0082	11/64x½″	30¢
10 L 347	192P10392	.01	11/64x½″	30¢
10 L 348	192P12392	.012	7/32x7/16″	
10 L 349	192P15392	.015	7/32x7/16″	
10 L 350	192P18392	.018	7/32x9/16″	
10 L 352	192P22392	.022	7/32x9/16″	30¢
10 L 351	192P27392	.027	15/16x9/16″	33¢
10 L 353	192P33392	.033	15/16x9/16″	33¢
10 L 354	192P39392	.039	19/64x½″	36¢
10 L 355	192P47392	.047	19/64x⅝″	39¢
10 L 356	192P56392	.056	19/64x⅝″	39¢
10 L 357	192P68392	.068	19/64x⅝″	42¢
10 L 358	192P82392	.082	21/64x⅝″	45¢
10 L 359	192P10492	.1	21/64x⅝″	45¢
10 L 366	192P12492	.12	21/64x⅞″	48¢
10 L 367	192P15492	.15	21/64x⅞″	48¢
10 L 368	192P22492	.22	21/64x1⅛″	51¢

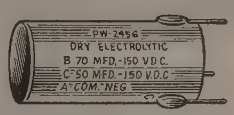
"HYPASS" CAPACITORS



Feed-through VHF bypass capacitors. Install in series. 48P18 for voltage regulator. *Screw term. †AC volts. §Bulkhead mtg. Wt., 2 oz.

Stock No.	Type	Mfd.	Amps.	WVDC	Size	EACH
15 L 688	48P18*	.5	40	50	1x1 13/16″	2.28
15 L 970	48P9*	.1	20	250†	11/16x1 13/16″	1.56
15 L 685	48P8*	.1	20	600	11/16x1 13/16″	1.56
15 L 683	46P12	.002	15	600	¼x1⅝″	1.29
15 L 972	47P6	.01	20	600	7/16x1¼″	1.41
15 L 689	80P3*§	.1	20	600	11/16x1 13/16″	1.77
15 L 973	47P12	.005	20	1000	7/16x1¼″	1.44
15 L 974	47P13	.01	20	1000	7/16x1½″	1.56
15 L 993	47P15	.01	20	2500	1x1 9/16″	1.86

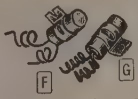
PW PRINTED CIRCUIT ELECTROLYTICS



Dual-section, upright mounting dry electrolytic capacitors. Small and compact; designed for exact replacement use in clock radios, hi-fi amplifiers, phonographs. Have wax end-seals and pin-type terminals suitable for mounting on printed circuit boards. Rated 150 WVDC. Max. temp. is 65°C. 2½x1″ dia. Wt., 3 oz.

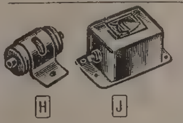
Stock No.	PW Type	Mfd	EACH
11 L 110	2450	50-30	1.41
11 L 111	2453	50-50	1.47
11 L 112	2454	60-40	1.47
11 L 113	2455	70-30	1.47
11 L 114	2456	70-50	1.53
11 L 115	2457	75-30	1.50
11 L 116	2461	80-40	1.53
11 L 117	2462	80-50	1.56
11 L 118	2463	100-50	1.62

NOISE FILTERS



Type IF. Compact, multi-section filters for suppressing man-made radio and TV interference. Small and completely self-contained. For use on fans, drills, thermostats, arcing devices, etc. Rated up to 220 volts, AC or DC. Easily installed. Av. shpg. wt., 8 oz.

Stock No.	Type	Fig.	Size	Sections	EACH
13 L 560	IF-21	G	1x2 3/16″	Dual	1.05
13 L 562	IF-S1	F	¾x2 1/16″	Single	.69
13 L 561	IF-37	G	1x2 7/16″	Triple	1.35



Filterol Types. Specially designed chokes and coils. Connect in series with power supply lines of industrial interference-producing devices. Type 4, Fig. J., provides high attenuation at frequencies above 5 megacycles. Single-hole mounting. Rated at 115 v., AC or DC. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Amps	Fig.	Size	EACH
13 L 556	2	10	J	1⅛x2x2″	8.88
13 L 558	4	20	H	1″ dia.x1 13/16″	1.83

SPRAGUE TYPE AB MOTOR-STARTING CAPACITORS

- For 110-Volt Capacitor-Start Motors
- Maximum Possible Starting Torque

SPRAGUE
TYPE AB

A complete selection of capacitors for replacement in motors from ⅛ hp up to 1 hp. Metal-encased electrolytic capacitors designed especially for intermittent duty with 110 volt capacitor-start AC motors. Carefully engineered to pass the correct amount of current for the maximum possible starting torque. In a hermetically sealed aluminum can with insulating outer cardboard tube for high efficiency and dependability. Provided with lug terminals for quick, easy installation. Screws are removable for solder connections if desired. When any question as to proper size should arise, it is always safer to choose the next larger value of capacitance. *Indicates minimum-maximum capacitance values replaceable with these units. Type AB-1109 is for ⅛ hp motors; AB-1110, ⅙ hp; AB-1113 and A-B1116, ¼ hp; AB-1125, ⅓ hp; AB-1131, ½ hp; AB-1146, ¾ and 1 hp. Wt., 10 oz.

SIZE TABLE

From AB-	To AB-	Dia.	Lgth.
1104	1122	1 7/16″	2¾″
1125	1130	1 7/16″	3⅜″
1131	1149	1 13/16″	3⅜″
1152	1161	2 1/16″	4⅜″

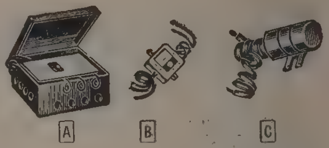
Stock No.	Type AB-	* Mfd	EACH
15 L 529	1104	38-46	.76
15 L 530	1105	43-53	.76
15 L 531	1107	53-64	.77
15 L 532	1108	64-77	.81
15 L 533	1109	72-88	.83
15 L 534	1110	88-108	.78
15 L 535	1113	108-130	.86
15 L 536	1116	124-149	.89
15 L 537	1119	130-156	.89
15 L 538	1122	145-175	.96
15 L 539	1125	161-193	.98
15 L 540	1128	189-227	1.13
15 L 541	1130	200-240	1.17

Stock No.	Type AB-	* Mfd	EACH
15 L 542	1131	216-259	1.22
15 L 543	1134	233-280	1.35
15 L 544	1137	243-292	1.41
15 L 545	1140	270-324	1.43
15 L 546	1142	324-388	1.62
15 L 547	1143	340-408	1.67
15 L 548	1146	378-440	1.80
15 L 549	1149	400-480	1.82
15 L 550	1152	430-516	2.09
15 L 551	1155	460-552	2.28
15 L 552	1158	540-648	2.93
15 L 553	1161	590-708	2.66

Your Allied Catalog is your ready reference to the world's largest stock of electronic parts available off-the-shelf. Keep your Catalog handy and use it.

CORNELL-DUBILIER QUIETONE FILTERS

WIRED-IN TYPES



A **Type IF-7A.** Designed for permanent installation at the source of interference. Capacitive-inductive type filter suppresses severe nterference to radios. TV, etc. Attaches to oil burners, electric motors in dishwashers, disposal units, washing machines, home workshop tools, etc. For use with appliances operating on single-phase 110-220 volt AC or DC. Rated 5 amps. 6x6x4″. Shpg. wt., 9 lbs.

13 L 567........................9.90

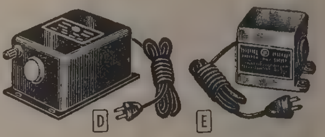
B **Type IF-54.** General-purpose capacative-inductive filter for use in the home and in industry. Eliminates moderate interference from fluorescent fixtures, motors—any appliance drawing 2 amps or less from power line. Miniature size permits easy installation on any appliance. Rated 110-220 volts, AC or DC. 1¼x2x2″ U.L. Approved. Wt., 8 oz.

13 L 563........................1.80

C **Type IF-24.** Designed for permanent installation at the source of interference. For use with motors, fans, fluorescent fixtures, etc. Miniaturized for easy installation. Mounting strap has spade lug for easy connection. With flexible 7″ leads. Size, 1⅞x¾″. For 110 v., AC or DC. U.L. Approved. Wt., 6 oz.

13 L 566........................90¢

PLUG-IN TYPES

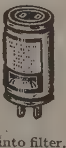


D **Type IF-18.** Highly effective all wave capacitive-inductive type of filter especially designed for suppression of severe interference. For use wherever ventilating or air conditioning units, washing machines, or machine tools interfere with reception. Bakelite case, 6x3¾x2½″, with line cord and plug attached. Has binding post for attachment of ground wire, if used. Rated at 115 volts, AC-DC, 5 amps. Shpg. wt., 4 lbs.

13 L 564........................6.60

E **Type IF-19.** Effective capacitive-inductive type filter for use wherever interference is severe. Can be used to eliminate interference from electric fans, diathermy machines, neon signs, washing machines, food mixers, calquating machines, etc. Has terminal for ground connection. Rated 115 volts AC-DC, 5 amps. 4x2¼x2⅞″.

13 L 565........................5.55



Type IF-4. Efficient, plug-in, cylindrical filter for suppression of medium-intensity interference produced by fluorescent lighting fixtures, electric shavers, fans, food mixers, billing machines, and similar devices. Well suited for use with small receivers such as AC-DC midget sets, portable TV sets, etc. Filter plugs directly into wall; appliance or receiver plugs into filter. Rated at 115 volts, AC-DC, 5 amps. 1⅛″ dia., 2″ long. Shpg. wt., 5 oz.

13 L 568........................90¢

Type IF-6. Convenient plug-in filter designed for elimination of moderate interference. Especially suitable for suppression of interference caused by fluorescent lights, electric shavers, and similar devices. For installation as an accessory of a portable or semi-permanent nature on radios, TV's, etc. Connects between power line and appliance, or between power line and receiver. Rated at 115 volts, AC-DC, 5 amps. 1⅜″ dia., 2″ long. Shpg. wt., 6 oz.

13 L 569........................1.41

Mica, Mylar and Metalized Paper Capacitors

ARCO-ELEMENCO CAPACITORS

CM MOLDED SILVERED MICAS

EL-MENCO
MADE IN USA

Tiny capacitors in low loss phenolic cases. 500 WVDC except †300 WVDC. Carefully manufactured and color-coded in accordance with government and Military specifications. Middle letter of Mfr's type shows temperature coefficient as well as capacitance drift (deviation of capacity value from original value after temperature cycling). Letter C, ±200 parts/million/°C ±0.5% capacitance drift; letter D, ±100 parts; ±0 3% capacitance drift, letter E, −20, +100 parts ±0.1% +0.1 mmf capacitance drift. The last Letter of the Type designation indicates the tolerance. Letter M: +20%; Letter J: ±5%. CM-15, 9/32x1/2x3/16"; CM-20, 7/16x7/32x1 1/16 (‡25/32)"; CM-30, 13/16x13/16x9/32"; CM-35, 13/16x13/16x11/32". 2 oz.

Stock No.	Type CM-	Mmf	EA.
10 L 424	15-C-010M	1	18¢
10 L 427	15-C-050J	5	
10 L 428	15-C-100J	10	
10 L 429	15-C-120J	12	
10 L 436	15-C-150J	15	
10 L 437	15-C-180J	18	18¢
10 L 438	15-C-200J	20	
10 L 439	15-C-220J	22	
10 L 467	15-E-270J	27	
10 L 468	15 E-300J	30	
10 L 469	15-E-330J	33	18¢
10 L 470	15-E-360J	36	
10 L 471	15-E-390J	39	
10 L 473	15 E-470J	47	
10 L 474	15-E-500J	50	
10 L 476	15 E 560J	56	18¢
10 L 480	15-E-680J	68	
10 L 478	15 E-750J	75	
10 L 479	15-E-820J	82	
10 L 497	15-E-101J	100	
10 L 498	15-E-111J	110	21¢
10 L 499	15-E-121J	120	21¢
10 L 514	15-E-131J	130	21¢
10 L 515	15-E-151J	150	21¢
10 L 516	15-E-161J	160	24¢
10 L 517	15 E-181J	180	24¢
10 L 518	15-E-201J	200	24¢
10 L 519	15-E-221J	220	27¢
10 L 542	15-E-241J	240	27¢
10 L 543	15-E-251J	250	27¢
10 L 544	15-E-271J	270	30¢
10 L 545	15-E-301J	300	30¢
10 L 546	15-E-331J	330	33¢
10 L 547	15-E-361J	360	36¢
10 L 548	15-E-391J	390	39¢

Stock No.	Type CM-	Mmf	EA.
10 L 554	15-E-471J†	470	.45
10 L 555	15-E-501J†	500	.48
10 L 556	15 E-511J†	510	.48
10 L 557	20-D-561J	560	.33
10 L 558	20-D-621J	620	.36
10 L 566	20-D-681J	680	.36
10 L 567	20-D-751J	750	.39
10 L 568	20-D-821J	820	.42
10 L 569	20-D-911J	910	.42
10 L 583	20-E-102J	1000	.45
10 L 585	20-E-122J	1200	.48
10 L 586	20-E-132J	1300	.48
10 L 587	20-E-152J	1500	.51
10 L 589	20 E-182J	1800	.60
10 L 594	20-E-202J	2000	.66
10 L 595	20 E-222J	2200	.72
10 L 422	20-E-252J	2500	.78
10 L 423	20-E-272J	2700	.84
10 L 599	20-E-302J‡	3000	.90
10 L 619	20-E-332J‡	3300	.96
10 L 620	20-E-362J‡	3600	1.02
10 L 621	20-E-392J‡	3900	1.08
10 L 622	20-E-432J‡	4300	1.14
10 L 623	20-E-472J‡	4700	1.20
10 L 624	20 E-502J‡	5000	1.26
10 L 638	20-E-512J‡	5100	1.26
10 L 639	30 E-562J	5600	1.26
10 L 640	30-E-622J	6200	1.32
10 L 641	35-E-682J†	6800	1.32
10 L 642	35-E-752J†	7501	1.44
10 L 643	35-E-822J†	8200	1.56
10 L 644	35-E-912J†	9100	1.68
10 L 645	35-E-103J†	10000	1.86
10 L 646	35-E-123J†	12000	2.16
10 L 647	35-E-153J†	15000	2.58

"DUR-MICA" SILVERED MICA CAPACITORS

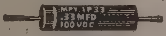
Special plastic coating resists extreme humidity and moisture. Temperature range, -55°C to +150°C without derating. For use in delay lines, computers, general purpose commercial-industrial equipment. Close temperature coefficient—near NPO. Capacitance tolerance: ±5%, except *±0.5 mmf. Sizes: DM-15, 7/16x11/32x5/32" to 7/32" deep; DM-19, 5/8x15/32x5/32" to 7/32" deep; DM 30, 25/32x29/32x7/32" to 9/32" deep. All are 500 WVDC, except †300 WVDC. Wt., 2 oz.

Stock No.	Type DM-	Mmf	EA.
10 L 716	15 010M*	1	15¢
10 L 717	15-020M*	2	
10 L 718	15 030M*	3	
10 L 719	15-050M*	5	
10 L 720	15-100J	10	17¢
10 L 721	15-120J	12	
10 L 722	15-150J	15	
10 L 723	15 180J	18	
10 L 724	15-200J	20	
10 L 725	15-220J	22	17¢
10 L 726	15-240J	24	
10 L 727	15-270J	27	
10 L 728	15-300J	30	
10 L 729	15-330J	33	
10 L 730	15 360J	36	17¢
10 L 731	15 390J	39	
10 L 732	15-430J	43	
10 L 733	15-470J	47	
10 L 734	15 500J	50	17¢
10 L 735	15-510J	51	
10 L 736	15-560J	56	
10 L 737	15-620J	62	
10 L 738	15-680J	68	17¢
10 L 739	15-750J	75	
10 L 740	15-820J	82	
10 L 741	15-910J	91	
10 L 742	15-101J	100	
10 L 743	15-111J	110	21¢
10 L 744	15-121J	120	
10 L 745	15 131J	130	
10 L 746	15-151J	150	
10 L 747	15-161J	160	23¢
10 L 748	15 181J	180	
10 L 749	15-201J	200	
10 L 750	15-221J	220	26¢
10 L 751	15 241J	240	
10 L 752	15-251J	250	
10 L 753	15-271J	270	30¢
10 L 754	15-301J	300	30¢
10 L 755	15-331J	330	33¢

Stock No.	Type DM-	Mmf	EA.
10 L 756	15-361J	360	.33
10 L 757	15-391J	390	.36
10 L 758	15-431J†	430	.36
10 L 759	15-471J†	470	.39
10 L 760	15-501J†	500	.39
10 L 761	15-511J†	510	.39
10 L 762	15-561J†	560	.43
10 L 763	15-621J†	620	.45
10 L 764	15-681J†	680	.49
10 L 765	15-751J†	750	.52
10 L 766	15-821J†	820	.56
10 L 769	19-911J	910	.43
10 L 770	19-102J	1000	.46
10 L 771	19 112J	1100	.46
10 L 772	19-122J	1200	.52
10 L 773	19-132J	1300	.53
10 L 774	19-152J	1500	.56
10 L 775	19 162J	1600	.60
10 L 776	19-182J	1800	.66
10 L 777	19-202J	2000	.74
10 L 778	19-222J	2200	.79
10 L 779	19-242J	2400	.86
10 L 780	19-252J	2500	.89
10 L 781	19-272J	2700	.92
10 L 782	19 302J	3000	.99
10 L 783	19-332J	3300	1.06
10 L 784	19-362J	3600	1.12
10 L 785	19-392J	3900	1.19
12 L 402	30-432J	4300	1.06
12 L 403	30-472J	4700	1.12
12 L 404	30-502J	5000	1.16
12 L 405	30-512J	5100	1.16
12 L 406	30 562J	5600	1.19
12 L 407	30-622J	6200	1.25
10 L 818	30 682J	6800	1.39
10 L 819	30-752J	7500	1.52
10 L 820	30-822J	8200	1.65
10 L 821	30-912J	9100	1.78
10 L 822	30 103J	10K	1.98

CORNELL DUBILIER CAPACITORS

TYPE MPY TUBULAR METALIZED PAPER CAPACITORS



Lightweight, space-saving units for high-grade electronic equipment. Feature superior moisture resistance, wax-clad Triclad case, wide temperature range, high insulation resistance, no derating, and self-healing properties of metallized dielectric capacitors. Resin impregnated Triclad tube with resin end-fill is wax-free for clean handling; moistureproof, and unaffected when touched by hot irons. Operate over range of −55° C to 125° C. Tolerance, ±20%. Shpg. wt., 2 oz.

200 WVDC

Stock No.	Type MPY-	Mfd	Size	EACH
14 L 470	2S22	.022	1/4x5/8"	.45
14 L 402	2S47	.047	1/4x5/8"	.45
14 L 485	2P1	.1	3/8x5/8"	.51
14 L 486	2P22	.22	15/32x5/8"	.63
14 L 403	2P47	.47	7/16x1 1/8"	.75
14 L 488	2W1	1.0	9/16x1 1/8"	1.08
14 L 404	2W2	2.0	5/8x1 7/16"	1.47

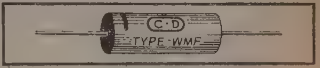
400 WVDC

Stock No.	Type MPY-	Mfd	Size	EACH
14 L 400	4S15	.015	1/4x5/8"	.45
14 L 474	4S22	.022	5/16x5/8"	.45
14 L 475	4S33	.033	3/8x5/8"	.45
14 L 405	4S47	.047	7/16x5/8"	.48
14 L 401	4P15	.15	7/16x1 1/8"	.63
14 L 492	4P22	.22	1/2x1 1/8"	.72
14 L 406	4P47	.47	5/8x1 7/16"	.96
14 L 494	4W1	1.0	11/16x1 13/16"	1.32
14 L 407	4W2	2.0	13/16x2 3/8"	1.74

600 WVDC

Stock No.	Type MPY-	Mfd	Size	EACH
14 L 495	6S1	.01	1/4x5/8"	.45
14 L 478	6S22	.022	3/8x5/8"	.48
14 L 479	6S33	.033	3/8x5/8"	.51
14 L 408	6S47	,047	15/32x5/8"	.54
14 L 496	6P1	.1	3/8x1 1/8"	.60
14 L 497	6P22	.22	9/16x1 1/8"	.81
14 L 409	6P47	.47	5/8x1 7/16"	1.14
14 L 499	6W1	1.0	23/32x1 13/16"	1.44
14 L 410	6W2	2.0	29/32x2 3/8"	2.10

TYPE WMF TUBULAR 'MYLAR' CAPACITORS



Ultra-compact Mylar dielectric tubular capacitor encased in a thin, tough Mylar film wrapping, and end-sealed with a high-density thermosetting plastic. Feature high insulation resistance and low power factor ideal for applications where dependability and reliability are a must. Operate over temperature range of −55° C to +125° C. Derate voltage 10% at 100° C; 50% at 125° C; full voltage rating up to 85° C. Tolerance of ±10%. 2 oz.

100 WVDC

Stock No.	Type WMF-	Mfd	Size	EA.
16 L 975	1D1	.001	5/32x1/2"	.21
16 L 976	1D15	.0015	5/32x1/2"	.21
16 L 977	1D22	.0022	5/32x1/2"	.21
16 L 978	1D33	.0033	5/32x1/2"	.21
16 L 979	1D47	.0047	5/32x1/2"	.21
17 L 980	1D68	.0068	11/64x1/2"	.21
16 L 981	1S1	.01	13/64x1/2"	.21
16 L 982	1S15	.015	15/64x1/2"	.21
16 L 983	1S22	.022	9/32x5/8"	.24
16 L 984	1S33	.033	19/64x5/8"	.24
16 L 985	1S47	.047	17/64x3/4"	.27
16 L 986	1S68	.068	9/32x3/4"	.27
16 L 987	1P1	.1	19/64x7/8"	.36
16 L 988	1P15	.15	21/64x7/8"	.36
16 L 989	1P22	.22	25/64x1"	.39
16 L 990	1P33	.33	27/64x1 1/8"	.45
16 L 991	1P47	.47	15/32x1 1/4"	.51
16 L 992	1P68	.68	9/16x1 1/4"	.57
16 L 993	1W1	1.0	5/8x1 1/2"	.87
16 L 995	1W1P5	1.5	25/32x1 3/4"	1.23
16 L 996	1W2	2.0	11/64x1 3/4"	1.50

200 WVDC

Stock No.	Type WMF-	Mfd	Size	EA.
16 L 877	2D1	.001	5/32x1/2"	.21
16 L 878	2D15	.0015	5/32x1/2"	.21
16 L 879	2D22	.0022	5/32x1/2"	.21
16 L 880	2D33	.0033	5/32x1/2"	.21
16 L 881	2D47	.0047	11/64x1/2"	.21
16 L 882	2D68	.0068	13/64x1/2"	.21
16 L 883	2S1	.01	15/64x1/2"	.21
16 L 884	2S15	.015	19/64x1/2"	.21
16 L 885	2S22	.022	9/32x5/8"	.24
16 L 886	2S33	.033	17/32x3/4"	.24
16 L 887	2S47	.047	21/64x3/4"	.27
16 L 888	2S68	.068	11/32x3/4"	.27
16 L 889	2P1	.1	13/32x7/8"	.36
16 L 890	2P15	.15	1/2x7/8"	.36
16 L 891	2P22	.22	1/2x1 1/8"	.39

200 WVDC (Cont'd)

Stock No.	Type WMF-	Mfd	Size	EA.
16 L 892	2P33	.33	35/64x1 1/8"	.45
16 L 893	2P47	.47	19/32x1 1/4"	.51
16 L 894	2P68	.68	21/32x1 5/8"	.57
16 L 895	2W1	1.0	3/4x1 3/4"	.87
16 L 897	2W1P5	1.5	29/32x1 3/4"	1.23
16 L 898	2W2	2.0	63/64x1 7/8"	1.50

400 WVDC

Stock No.	Type WMF-	Mfd	Size	EA.
16 L 832	4S1	.01	19/64x5/8"	.27
16 L 833	4S15	.015	23/64x5/8"	.27
16 L 834	4S22	.022	5/16x3/4"	.27
16 L 835	4S33	.033	11/32x7/8"	.27
16 L 836	4S47	.047	13/32x7/8"	.30
16 L 837	4S68	.068	25/64x1"	.33
16 L 838	4P1	.1	15/32x1"	.33
16 L 839	4P15	.15	33/64x1 1/4"	.36
16 L 840	4P22	.22	9/16x1 3/8"	.42
16 L 841	4P33	.33	19/32x1 5/8"	.66
16 L 842	4P47	.47	55/64x1 5/8"	.78
16 L 843	4P68	.68	11/16x1 3/4"	.96
16 L 844	4W1	1.0	7/8x2"	1.20
16 L 846	4W1P5	1.5	31/32x2 1/4"	1.56
16 L 847	4W2	2.0	1 1/4x2 1/4"	2.04

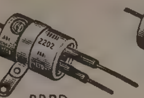
600 WVDC

Stock No.	Type WMF-	Mfd	Size	EA.
12 L 715	6S1	.01	19/64x1/4"	.30
12 L 716	6S15	.015	5/16x7/8"	.30
12 L 717	6S22	.022	21/64x7/8"	.30
12 L 718	6S33	.033	11/32x1"	.30
12 L 719	6S47	.047	27/64x1"	.33
12 L 720	6S68	.068	1/2x1"	.36
12 L 721	6P1	.1	33/64x1 3/8"	.42
12 L 722	6P15	.15	5/8x1 3/8"	.45
12 L 723	6P22	.22	21/32x1 5/8"	.51
12 L 724	6P33	.33	11/16x2"	.90
12 L 725	6P47	.47	55/64x2"	1.14
12 L 726	6P68	.68	31/32x2"	1.53
12 L 727	6W1	1.0	1 11/64x2 1/2"	2.55

Electrolytic and Polystyrene Capacitors

CORNELL DUBILIER "BLUE BEAVER" TUBULAR ELECTROLYTICS

BBR


BBRD

BBRQ

Tubular electrolytic capacitors specifically designed for service replacement applications. Especially popular for cramped space installations in TV receivers, hearing aids, miniature radios and other small assemblies. All are hermetically sealed in aluminum cans for protection against heat and humidity, and have cardboard outer sleeves. All have a common negative terminal which is grounded to the can. Rated for operation up to +85° C, except 500 volt types which are rated for temperatures up to +65° C. Av. shpg. wt., 4 oz.

BR/BBR SINGLE SECTION

Stock No.	Type	Mfd	W.V.	Size In.	EA.
19 L 203	25-6	25	6	3/8x1 1/16	.51
19 L 204	50-6	50	6	3/8x1 1/16	.57
19 L 205	100-6	100	6	1/2x1 1/16	.72
19 L 206	250-6	250	6	1/2x1 1/16	.81
19 L 285	500-6	500	6	1 1/2x1 7/16	.93
19 L 286	1000-6	1000	6	5/8x1 11/16	1.14
19 L 287	2000-6	2000	6	3/4x2	1.38
19 L 207	100-15	100	15	1/2x1 1/16	.75
19 L 272	250-15	250	15	1/2x1 1/16	.93
19 L 273	500-15	500	15	1/2x1 7/16	1.05
19 L 274	1000-15	1000	15	5/8x1 11/16	1.38
19 L 284	2000-15	2000	15	3/4x2	1.92
19 L 216	10-25	10	25	3/8x1 1/16	.60
19 L 217	20-25	20	25	3/8x1 1/16	.60
19 L 218	25-25	25	25	3/8x1 1/16	.60
19 L 219	50-25	50	25	1/2x1 1/16	.66
19 L 208	100-25	100	25	1/2x1 1/16	.81
19 L 270	250-25	250	25	1/2x1 7/16	1.02
19 L 271	500-25	500	25	5/8x1 11/16	1.38
19 L 222	5-50	5	50	3/8x1 1/16	.60
19 L 223	10-50	10	50	3/8x1 1/16	.60
19 L 224	25-50	25	50	1/2x1 1/16	.63
19 L 147	100-50	100	50	1/2x1 7/16	.84
19 L 148	150-50	150	50	5/8x1 7/16	.93
19 L 149	250-50	250	50	3/4x1 7/16	1.05
19 L 269	500-50	500	50	7/8x1 11/16	1.44
19 L 214	4-150	4	150	3/8x1 1/16	.60
19 L 249	8-150	8	150	1/2x1 1/16	.63
19 L 226	10 150	10	150	1/2x1 1/16	.63
19 L 247	12-150	12	150	1/2x1 1/16	.66
19 L 248	16-150	16	150	1/2x1 7/16	.69
19 L 225	20-150	20	150	1/2x1 7/16	.72
19 L 145	25-150	25	150	3/4x1 7/16	.75
14 L 045	30 150	30	150	3/4x1 7/16	.78
14 L 046	40 150	40	150	3/4x1 11/16	.81
14 L 047	50-150	50	150	3/4x1 11/16	.84
19 L 146	60-150	60	150	7/8x1 11/16	.90
14 L 039	80-150	80	150	7/8x1 11/16	.96
14 L 056	100-150	100	150	7/8x2	1.05
14 L 057	150-150	150	150	1x2 3/16	1.14
14 L 542	200-150	200	150	1x3	1.32
14 L 543	300-150	300	150	1x3 13/16	1.53
19 L 227	4-250	4	250	1/2x1 1/16	.60
19 L 228	8-250	8	250	1/2x1 7/16	.69
19 L 229	12-250	12	250	1/2x1 7/16	.75

BR/BBR SINGLE SECTION (Cont'd)

Stock No.	Type	Mfd	W.V.	Size In.	EA.
14 L 033	16-250	16	250	3/4x1 7/16	.78
14 L 034	20-250	20	250	3/4x1 7/16	.81
19 L 142	30-250	30	250	3/4x1 11/16	.87
14 L 035	40-250	40	250	3/4x2	.93
19 L 143	50-250	50	250	7/8x1 11/16	1.02
19 L 144	60-250	60	250	1x1 11/16	1.08
14 L 020	4-350	4	350	5/8x1 1/16	.63
14 L 021	8-350	8	350	5/8x1 7/16	.72
14 L 022	12-350	12	350	3/4x1 7/16	.78
14 L 023	16-350	16	350	3/4x1 7/16	.84
14 L 018	20-350	20	350	3/4x1 7/16	.87
14 L 019	30-350	30	350	3/4x2	.99
14 L 026	40-350	40	350	7/8x2	1.05
14 L 544	60-350	60	350	1x2	1.17
14 L 545	80 350	80	350	1x3	1.26
14 L 546	100-350	100	350	1x3	1.43
14 L 008	1-450	1	450	5/8x1 1/16	.66
14 L 009	2-450	2	450	5/8x1 1/16	.66
14 L 010	4-450	4	450	5/8x1 1/16	.69
14 L 011	8-450	8	450	3/4x1 7/16	.75
14 L 012	10-450	10	450	3/4x1 7/16	.78
14 L 013	12-450	12	450	3/4x1 7/16	.81
14 L 014	16-450	16	450	3/4x1 11/16	.84
14 L 015	20-450	20	450	7/8x1 11/16	.93
14 L 016	30-450	30	450	1x2	1.02
14 L 017	40-450	40	450	1x2 3/16	1.08
14 L 004	60-450	60	450	1x3	1.41
14 L 005	80-450	80	450	1x3 9/16	1.68
14 L 547	100-450	100	450	1x3 13/16	1.92
19 L 215	4-500	4	500	5/8x1 7/16	.72
14 L 000	8-500	8	500	3/4x1 7/16	.78
14 L 001	16-500	16	500	7/8x1 11/16	.90
14 L 002	20-500	20	500	7/8x2	.96
14 L 003	30-500	30	500	1x2	1.05
14 L 534	8-600	8	600	13/16x2 7/16	1.41
14 L 535	10-600	10	600	15/16x3 3/16	1.47
14 L 537	16-600	16	600	1 1/16x3 3/16	2.01
14 L 539	10-700	10	700	1 1/16x3 3/16	1.53
14 L 541	16-700	16	700	1 1/16x4 5/16	2.19

BBRD DUAL SECTION

19 L 220	2202	20-20	25	3/4x1 1/16	84¢
19 L 250	115	10-10	50		84¢
19 L 252	2215	20-20	150		99¢

BBRD DUAL SECTION (Cont'd)

Stock No.	Type	Mfd	W.V.	Size In.	EA.
19 L 254	3315	30-30	150	7/8x1 1/16	1.08
19 L 257	4415	40-40	150	7/8x2	1.11
19 L 258	5315	50-30	150	7/8x2	1.17
19 L 259	5515	50-50	150	1x2	1.26
19 L 260	8415	80-40	150	1x2 3/16	1.35
18 L 609	0183.7	100-50	150	1x3	1.80
19 L 288	101015	100-100	150	1x3	1.92
19 L 289	8D25	8-8	250	3/4x1 7/16	.96
19 L 263	2225	20-20	250	1x1 11/16	1.11
19 L 296	3325	30-30	250	1x2 3/16	1.35
18 L 614	0286	150-100	300	1 3/8x4 3/16	3.15
19 L 265	8D45	8-8	450	7/8x1 11/16	1.02
19 L 266	16845	16-8	450	1x2 3/16	1.20
19 L 267	16D45	16-16	450	1x2 1/2	1.35
19 L 268	2245	20-20	450	1x3	1.50
19 L 297	3345	30-30	450	1 1/8x3 9/16	1.80
19 L 221	4445	40-40	450	1x4 1/16	2.04

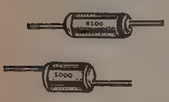
BBRT TRIPLE SECTION

Stock No.	Type	Mfd	W.V.	Size, In.	EA
19L230	22215	20-20-20	150	7/8x1 11/16	1.32
19L231	32V215	30-25-20	150	7/8x2	1.35
19L232	33315	30-30-30	150	1x2	1.41
19L233	42215	40-20-20	150	1x1 11/16	1.35
19L234	43215	40-30-20	150	1x2	1.41
19L235	44215	40-40-20	150	1x2	1.41
19L236	44415	40-40-40	150	1x2 3/16	1.47
19L298	84215	80-40-20	150	1x3	1.65
18L620	0126.5	150-150-150	150	1 3/8x4 3/16	2.85
19L238	3315C	30-30, 20	150, 25	7/8x2	1.32
19L239	4215C	40-20, 20	150, 25	1x1 11/16	1.29
19L241	4415C	40-40, 20	150, 25	1x1 11/16	1.35
19L243	5315C	50-30, 20	150, 25	1x1 11/16	1.41
19L245	8415C	80-40, 20	150, 25	1x2 1/2	1.59
18L621	0185	40-40, 40	300	1 1/8x3	2.76
19L282	16T45	16-16-16	450	1 3/8x3	1.86

BBRQ QUADRUPLE SECTION

19L290	33215C30-	30-20, 20	150, 25	1x2	1.74
19L293	44315C40-	40-30, 20	150, 25	1x2 1/2	1.80
19L294	55515C50-	50-50, 20	150, 25	1x3	2.07
18L628	0789.4 140	-5, 200-30	300, 150	1 1/2x4 3/16	3.09
18L635	0174 40-	40-20, 20	450	1 3/8x4 3/16	3.27

CENTRALAB CPR POLYSTRENE CAPACITORS



- Sealed Polystyrene Foil—Lightweight, Highly Reliable and Low Cost
- Unusually Long Life Expectancy
- High Leakage Resistance
- Very Low Capacitance Drift
- 500 WVDC • 1500 VDC Test

Provide excellent reliability at very low cost. Lightweight, highly reliable, sealed polystyrene foil capacitors. Designed to replace mica and "Mylar" dielectric capacitors inexpensively. Available in a wide range of capacitances. Ideal for applications where unusually long life expectancy is required. Outstanding features include: high leakage resistance—greater than 500,000 megs; very low capacitance drift; "Q" factors of over 2000. Leads are tinned copper wire. All polystyrene capacitors are rated at 500 WVDC; 1500 VDC test. Operating temperature range: −10°C to +70°C. Tolerance: ±5%. Average shpg. wt., 2 oz. **Be certain to specify Capacitance as well as Stock No. when ordering.**

CAPACITANCE RANGE CHART

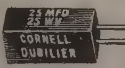
Mmf	Mmf	Mmf	Mmf	Mmf	Mmf	Mmf
	47	130	360	910	2400	5100
20	56	150	390	1000	2500	5600
22	62	160	430	1100	2700	6200
24	68	180	470	1200	3000	6800
27	75	200	510	1300	3300	7500
30	82	220	560	1500	3600	8200
33	91	240	620	1600	3900	9100
36	100	270	680	1800	4300	10,000
39	110	300	750	2000	4700	
43	120	330	820	2200	5000	

PRICE SIZE LOCATOR—SPECIFY MMF FROM TABLE

Stock No.	Capacity Mmf	Length In.	Diameter In.	EACH
12 LL 100	20 thru 240	.394	.157 to .276	15¢
12 LL 100	270 thru 1000	.591	.197 to .413	15¢
12 LL 101	1100 thru 3000	.591	.197 to .413	18¢
12 LL 102	3300 thru 10,000	.787	.335 to .531	21¢

CORNELL DUBILIER TYPE ECSP

"SQUARE" MINIATURE ELECTROLYTICS



- Higher Packaging Densities for Use In Printed Circuits
- Tough Epoxy Resin Side-Fill
- Moistureproof and Heat Resistant Welded Leads, Flush Mounted

Modern capacitor design! Latest-style miniature "squares" solves the problem of fitting components on crowded printed circuit boards and in transistorized circuits. Capacitors butt squarely against each other—there's no wasted space. To ensure reliability, and to eliminate voids and misalignment of capacitor elements, units are side-filled with epoxy resin, not end-filled, as in conventional types. Wiggling due to end-fill build-up is avoided—mountings are perfectly flush. Leads are firmly welded (not crimped or soldered) for minimum contact resistance. High-impact, molded phenolic case is moistureproof and heat resistant; moisture content remains unchanged. Range: −20° C to +65° C. Tolerance: −10% to +150%. Sizes in table below: A = 3/8x3/8x5/8"; B = 3/8x3/8x7/8"; C = 1/2x1/2x1". Av. shpg. wt., 2 oz.

3 WVDC

Stock No.	Mfr's Type ECSP-	Mfd	Size	EA.
12 L 110	50-3	50	A	69¢
12 L 111	100-3	100	B	69¢
12 L 112	250-3	250	C	75¢

10 WVDC

Stock No.	Mfr's Type ECSP-	Mfd	Size	EA.
12 L 113	35-10	35	A	69¢
12 L 114	50-10	50	B	69¢
12 L 120	150-10	150	C	72¢

15 WVDC

Stock No.	Mfr's Type ECSP-	Mfd	Size	EA.
12 L 121	5-15	5	A	66¢
12 L 122	10-15	10	A	66¢
12 L 123	25-15	25	A	69¢
12 L 124	30-15	30	A	69¢
12 L 125	35-15	35	B	69¢
12 L 126	50-15	50	B	69¢
12 L 127	100-15	100	C	72¢
12 L 128	125-15	125	C	72¢

25 WVDC

Stock No.	Mfr's Type ECSP-	Mfd	Size	EA.
12 L 130	10-25	10	A	69¢
12 L 131	15-25	15	A	69¢
12 L 135	25-25	25	B	69¢
12 L 140	75-25	75	C	72¢

50 WVDC

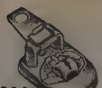
Stock No.	Mfr's Type ECSP-	Mfd	Size	EA.
12 L 141	10-50	10	A	69¢
12 L 150	15-50	15	B	69¢
12 L 151	20-50	20	C	69¢
12 L 152	30-50	30	C	69¢
12 L 153	50-50	50	C	72¢

75 WVDC

Stock No.	Mfr's Type ECSP-	Mfd	Size	EA.
12 L 154	3-75	3	A	66¢
12 L 155	5-75	5	B	69¢
15 L 156	15-75	15	C	69¢

Centralab Ceramic Capacitors and Trimmers

CERAMIC-DIELECTRIC TRIMMERS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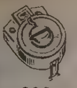
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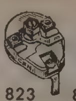
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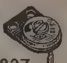
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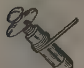

829

Compact, stable trimmer capacitors with ceramic dielectric. Lightweight, easily mounted. Screwdriver adjustment. Provide a smooth, linear rate of change. Full capacity range with 180° rotation. Balanced rotor and heavy spring pressure for excellent mechanical stability, even under conditions of heavy vibration. Silver is fired to stator and rotor, which make contact on flat optically ground surface to eliminate air space. All types rated at 500 WVDC. Power factor: less than ±0.2% at 1 mc. Types 820, 822 and 823 constructed with steatite base, 827 phenolic base, 829 are tubular ceramic (with mounting screw and nut). Letter N in Type No. indicates negative temperature coefficient, letter Z in type No. indicates zero temperature coefficient. *Dimension given is for body length. Av. shpg. wt., 2 oz.

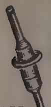
TYPES 820 AND 822

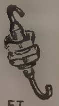
Stock No.	Mfr's Type	Mmf Range	Base Size	EACH
11 L 383	820-B	5-20	5/8x27/32″	.78
11 L 384	820-C	7-35	5/8x27/32″	.78
11 L 651	822-EN	4-30	27/32x41/64″	1.14
11 L 125	822-CN	4.5-25	27/32x41/64″	1.14
11 L 124	822-BN	7-45	27/32x41/64″	1.14
11 L 123	822-AN	8-50	27/32x41/64″	1.14
11 L 653	822-EZ	1.5-7		
11 L 128	822-BZ	2.5-13		
11 L 654	822-FZ	3-12		
11 L 127	822-AZ	4.5-25		

TYPES 823, 827 AND 829

Stock No.	Mfr's Type	Mmf Range	Base Size	EACH
11 L 510	823-AN	20 125	15/16x17/32″	3.60
11 L 513	823-AZ	12 62	15/16x17/32″	3.60
11 L 517	827-B	3.5-12	17/32x3/4″	.75
11 L 518	827-C	6-30	17/32x3/4″	.75
11 L 519	827-D	7-35	17/32x3/4″	.75
11 L 400	829 3	5 3	*1/2″	.30
11 L 402	829-6	1-6	*5/8″	.30
11 L 404	829-10	1.5 10	*3/4″	.30

FEED-THRU HI-KAPS


MFT


FT

Tiny ceramics for single-hole mounting. Specifically designed for, widely used in high frequency circuits. Rated 500 WVDC. Type FT has 12-28 mounting nut and .050″ dia tinned copper leads with hooked ends. MFT has 1/4″ dia. hole and solders to chassis (has No. 16 leads). Tolerance; * ± 20%; † −20 to + 50%; § ± 10%; ‡GMV (guaranteed minimum value). Av. shpg. wt., 2 oz.

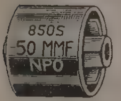
TYPE FT

Stock No.	Type	Mmf	EACH
11 L 390	FT- 500	* 500	75¢
11 L 391	FT-1000	*1000	
11 L 392	FT-1500	†1500	
11 L 394	FT-2300	†2300	

TYPE MFT MINIATURES

11 L 488	MFT-50	§ 50	30¢
11 L 489	MFT-100	§ 100	
11 L 490	MFT-500	* 500	
11 L 491	MFT-1000	‡1000	

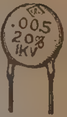
850 TRANSMITTING CAPACITORS



Ideal for RF power circuits. Silver electrodes fired to ceramic. *Zero temp. coeff. §Based on 30° temp. rise. 850 types are ±10% tolerance; 858, ±20%. Hex studs 1/8″ long, 6-32 thread. 2 oz.

Stock No.	Mfr's Type	Mmf	WVDC	§RF Load 30 Mc	EACH
11 L 100	850S-25Z*	25	7500	7 amps	2.70
11 L 101	850S-50Z*	50	7500	10 amps	
11 L 104	850S-100N	100	5000	9.8 amps	
11 L 107	858S-500	500	5000	....	
11 L 108	858S-1000	1000	5000	....	

SERIES DD DISC CERAMICS



Engineered for circuitry requiring high capacity, low inductance and reliable performance. Small in size and ruggedly constructed. Offer higher dielectric constants, greater breakdown voltages and higher capacities in less space than similarly rated paper or mica capacitors. No. 22 tinned copper leads. ±20% tolerance, except *±10%, and §guaranteed minimum value. Withstand extreme temperature, humidity and vibration. Av. shpg. wt., 2 oz.

DD 1000 VOLTS

Stock No.	Mfr's Type	Mmf	Stock No.	Mfr's Type	Mmf
11 L 407	050§	5	11 L 427	271*	270
11 L 520	060*	6	11 L 428	301*	300
11 L 408	6R8*	6.8	11 L 429	331*	330
11 L 409	100*	10	11 L 430	391*	390
11 L 410	150*	15	11 L 431	471*	470
11 L 411	200*	20	11 L 432	501*	500
11 L 525	220*	22	11 L 433	561*	560
11 L 412	250*	25	11 L 434	681*	680
11 L 527	270*	27	11 L 435	751*	750
11 L 413	330*	33	11 L 537	821*	820
11 L 415	470*	47	11 L 437	102*	1000
11 L 416	500*	50	11 L 707	102G§	1000
11 L 417	560*	56	11 L 438	152*	1500
11 L 418	680*	68	11 L 439	202§	2000
11 L 419	750*	75	11 L 542	222§	2200
11 L 420	101*	100	11 L 440	302§	3000
11 L 421	121*	120	11 L 600	332§	3300
11 L 531	131*	130	11 L 602	402§	4000
11 L 422	151*	150	11 L 441	472	4700
11 L 423	181*	180	11 L 037	502*	5000
11 L 424	201*	200	11 L 605	682§	6800
11 L 425	221*	220	11 L 442	5022	5000
11 L 426	251*	250	11 L 106	1032	10,000

All types except 1032..................Each 15¢
Type 1032..............................Each 24¢

DD16—1600 VOLTS AND DD30—3000 VOLTS

Stock No.	Mfr's Type	Mfd	WV DC	EACH
11 L 371	502§	.005	1600	27¢
11 L 375	103§	.01	1600	27¢
11 L 614	101	.0001	3000	24¢
11 L 621	501	.0005	3000	24¢
11 L 622	102	.001	3000	30¢
11 L 626	502	.005	3000	30¢

DD60 6000 VOLTS

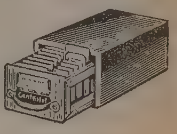
Stk. No.	Type	Mmf	Stk. No.	Type	Mmf
11 L 680	100	10	11 L 475	151	150
11 L 466	390	39	11 L 476	181	180
11 L 468	500	50	11 L 682	391	390
11 L 470	680	68	11 L 485	471	470
11 L 472	820	82	11 L 486	501	500
11 L 473	101	100	11 L 683	751	750

EACH..............................36¢

Stk. No.	Type	Mmf	Stk. No.	Type	Mmf
11 L 445	102	1000	11 L 448	202	2000
11 L 447	152	1500	....	. .	

EACH..............................60¢

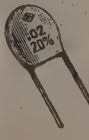
DDK-200 CERAMIC CAPACITOR KIT



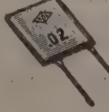
Ceramic disc capacitors; primarily intended for by-pass and coupling or filter service. Consists of 200 Type DD disc ceramics. All 1000 WVDC unless otherwise specified. 5 each—5, 10, 25, 33, 47, 50, 68, 120, 150, 180, 220, 250, 270, 300, 330, 390, 470, 500, 680, 1500, 3000, 4700, 10,000 (600 v.) mmf. 10 each—100, 200 mmf. 15 of each—1000, 5000; 20,000 (600 v.) mmf. 20 of each—10,000 mmf. Cabinet size, 4x6x11″. Shpg. wt., 6 lbs.

18 L 912..............................34.10

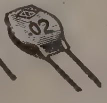
LOW-VOLTAGE CAPACITORS



DA



DDA, CK



DM

Extremely compact, high-capacity, low-voltage ceramic capacitors. Have durable "Durez" resin insulation. Designed especially for transistor circuits and other subminiature applications. Resist effects of heat, moisture and vibration. Av. shpg. wt., 2 oz

Type DA: 1/2x1/2x3/16″ thick. Tolerance −20% to +100%. Rated to 30 WVDC.

Type DDA: 5/8″ diameter x 5/32″ thick. Tolerance −30% to +80%. Rated at 75 WVDC.

Type DM: 17/32x7/32x7/64″ thick. Tolerance * −20% to +50% and † −20% to +80%. Rated at 150 WVDC.

Type CK: diameter as indicated; 5/32″ thick. Tolerance −20 to +80%. Rated at 50 WVDC.

TYPE DA

Stock No.	Type	Mfd	EACH
11 L 627	203	.02	.36
11 L 628	503	.05	.81
11 L 629	104	.1	1.35

TYPE DDA

Stock No.	Type	Mfd	EACH
11 L 630	503	.05	.30
11 L 631	104	.1	.60

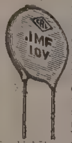
TYPE DM

Stock No.	Type	Mfd	EACH
11 L 632	101*	.0001	.30
11 L 633	201*	.0002	
11 L 635	501*	.0005	
11 L 636	102*	.001	
11 L 637	202*	.002	.30
11 L 638	302†	.003	.30
11 L 639	502†	.005	.30
11 L 640	103†	.01	.60

TYPE CK

Stock No.	Type	Mfd	Dia.	EACH
11 L 642	502	.005	3/8″	21¢
11 L 643	103	.01	3/8″	21¢
11 L 644	203	.02	9/16″	21¢
11 L 645	253	.025	9/16″	21¢
11 L 646	303	.03	9/16″	21¢
11 L 647	503	.05	5/8″	21¢
11 L 648	104	.1	5/8″	60¢

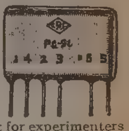
UK "ULTRA-KAP" MINIATURE DISC CAPACITORS



Disc ceramic capacitors designed to meet the small size and high capacitance requirements of transistor circuitry. Specifically engineered for low-voltage bypass and coupling applications. Present extremely low power factors. Insulated with double coating of "Durez" and wax impregnated to withstand extreme temperatures, humidity and vibration. 5/32″ thick. UK types are 3 WVDC; UK10 types are 10 WVDC. Tolerance −20 to +80%. Guaranteed minimum value. Av. shpg. wt., 2 oz.

Stock No.	Type	Mfd	Dia.	EACH
11 L 286	UK-502	.005	1/8″	75¢
11 L 297	UK-103	.01	1/8″	75¢
11 L 299	UK-203	.02	1/8″	75¢
11 L 701	UK-104	.1	3/16″	54¢
11 L 293	UK-224	.22	1/4″	33¢
11 L 294	UK-474	.47	3/8″	33¢
11 L 295	UK-105	1.0	9/16″	54¢
11 L 296	UK-225	2.2	3/4″	54¢
11 L 702	UK10-503	.05	1/4″	33¢
11 L 703	UK10-104	.1	3/8″	33¢
11 L 704	UK10-204	.2	9/16″	33¢
11 L 705	UK10-474	.47	3/4″	54¢

PACKAGED ELECTRONIC CIRCUITS



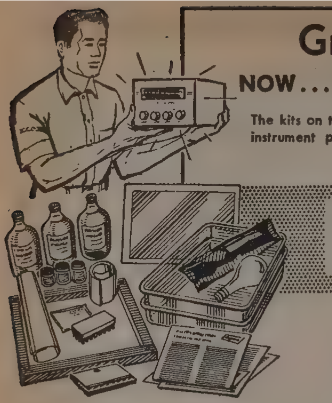
Complete, printed circuits —with resistors, capacitors, and inductors. Ideal for replacement of entire sections in radio and TV sets. The printed circuit wiring and all components are bound to a ceramic base and sealed against moisture, temperature and physical shock. Excellent for experimenters and designers. Quality components used throughout. Av. wt., 2 oz.

Stk. No.	Type	Description	EA.
11 L 155	PC-91	Pentode Couplate	1.80
11 L 156	PC-100	Vertical Integrator	
11 L 157	PC-101	Vertical Integrator	
11 L 356	PC-104	Vertical Integrator	
11 L 158	PC-150	Audio/Det Couplate	
11 L 170	PC-151	Audio/Det Couplate	1.80
11 L 360	PC-157	Audio/Det Couplate	
11 L 361	PC-158	Audio/Det Couplate	
11 L 171	PC-160	Pentode/Det Couplate	
11 L 172	PC-165	Pentode/Det Couplate	
11 L 363	PC-387	I.F. Decoupl'g Network	

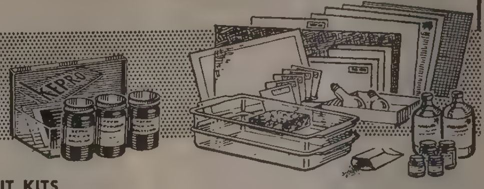
Graphic Art Kits for Electronics

NOW...MAKE PROFESSIONAL QUALITY COMPONENTS YOURSELF!

The kits on this page make it easy to produce professional-quality printed or etched circuits, and handsome instrument panels and nameplates. They are complete with all necessary materials and full instructions.



kepro



SC-601 SILK SCREEN KIT

- Includes All Necessary Materials
- Does Not Require Darkroom
- With Complete Instructions

Contains all necessary materials for producing 3 silk screens with print area up to 7x9" each. Produces lacquer-resistant, film-type photo stencils. Designed for screen printing production quantities of etched circuit boards, nameplates, instrument panels, or decorative printing. Kit includes: 10x12" screen frame with silk; 2 pieces of 14x16" screen silks; 1 roll of 8x30" stencil film; 1—#2 photoflood lamp; stencil developing and stop bath chemicals; developing and stop bath trays; 8½x11½" print frame; thermometer; black and white screening inks; plus all needed accessories. Complete with detailed instructions. Shpg. wt., 20 lbs.

11 LU 142.......................35.00

SILK SCREEN SUPPLIES

Stock No.	Type	Description	Size	EACH
13 L 800	SF-1012	Frame w/16XX Silk	10x12"	4.50
13 L 801	S-42	16XX Screen Silk	16x42"	3.40
13 L 802	SSF-830	Photo Stencil	8x30"	3.45
13 L 803	SD-1PT	Stencil Developer	Pint	.95
13 L 804	SB-1PT	Stencil Stop Bath	Pint	.80
13 L 805	SS-4	Stencil Strip Sol.	4 oz.	1.05
13 L 806	SBO-2	Blackout Sol.	2 oz.	1.00
13 L 807	SQ-8	8" Squeegee	......	1.50
13 L 808	SIB-4	Black Screen Ink	4 oz.	1.20
13 L 809	SIW-4	White Screen Ink	4 oz.	1.20

ETCHED CIRCUIT KITS

P-101A Professional Etched Circuit Kit. Negative of layout can be produced photographically or mechanically with materials supplied. Contains: 3 sheets of sensitized XXXP phenolic board (2—3x6", 1—3x3"); 2 sheets of mechanical negatives; trays; accessories; solutions; instructions. 3 lbs.

11 L 109.......................5.85

P-101A-G Professional Etched Circuit Kit. As above, but G-10 glass epoxy boards. 3 lbs.

13 L 991.......................7.40

S-101A Standard Etched Circuit Kit. Economy etching kit for basic circuit patterns. Liquid or tape resist is manually applied to XXXP phenolic copper-clad sheet in desired pattern, then etched. Perforated panel (supplied) speeds component mounting. Processes 3—3x6" panels. 2 lbs.

11 L 119.......................3.95

S-101A-G Standard Etched Circuit Kit. As above, but G-10 glass epoxy boards. 2 lbs.

13 L 992.......................5.25

PRINTED CIRCUIT KITS

- For Prototypes, Short Runs
- Comprehensive Instructions

L-505A Printed Circuit Lab. Versatile kit used for a wider range of P.C. board requirements—from prototypes through short production runs. Kit contains: 15 assorted photo-sensitized, copper-clad phenolic XXXP boards; 4 unsensitized boards; developing and etching trays; safelight; photoflood lamp, printing frame; PL-2A layout kit; mechanical negative; etching and developing solution; paint resist and thinner; plastic and aluminum trays; eyelet assortment; cleaning pad; instructions plus descriptive literature. Heavy-duty processing equipment—handles boards to 70 sq. inches. Shpg. wt., 20 lbs.

11 LU 105.......................34.75

L-505A-G Printed Circuit Lab. Same as above, but with G-10 glass epoxy boards instead of XXXP boards. Shpg. wt., 21 lbs.

13 LU 990.......................42.95

SUPPLIES FOR ABOVE KITS

A selection of quality printed circuit materials either for replacement use in Kepro PC kits or for those currently engaged in printed circuit development. Have .00135" thick copper coating. All sheets (sold below) have foil on both sides, except *which have coating on one side only. 5 sheets per pkg. Av. shpg. wt. of sheets, ½ lb.; 2 oz. solutions, 6 oz.; pints, 3 lbs.

G-10 1/16" GLASS EPOXY SHEETS

Stock No.	Type	Description	Size	PER PKG.
13 L 965	S1-335G	Light sensitive*	3x3"	3.70
13 L 966	S1-365G	Light sensitive*	3x6"	6.65
13 L 970	S2-335G	Light sensitive	3x3"	4.55
13 L 971	S2-365G	Light sensitive	3x6"	8.15

XXXP 1/16" PHENOLIC SHEETS

Stock No.	Type	Description	Size	PKG.
13 L 941	P1-365PB	Perf. Unsen.*	3x6"	2.40
13 L 943	P2-365	Perf. Unsen.	3x6"	2.55
13 L 945	S1-335	Light sensitive*	3x3"	2.15
13 L 946	S1-365	Light sensitive*	3x6"	3.55
13 L 950	S2-335	Light sensitive	3x3"	2.95
13 L 952	S2-365	Light sensitive	3x6"	5.05

CHEMICALS

Stock No.	Type	Description	Size	EACH
11 L 674	R-2	Paint resist	2 oz.	.60
11 L 675	T-2	Resist thinner	2 oz.	.50
11 L 676	D-1PT	Developing sol.	Pint	1.15
11 L 677	E-1PT	Etching solution	Pint	.85

NAMEPLATE KITS

NP-303A Enamel Nameplate and Panel Kit. Produces sharply detailed aluminum letters on a blue enamel background. Simple, 4-minute photo process. Includes 2 sheets of 8x10x.007" sensitized plate, accessories and solutions. Wt., 1 lb.

11 L 141.......................7.25

NP-404 Anodized Aluminum Nameplate and Panel Kit. Produces detailed aluminum lettering permanently etched into black, anodized background. Lettering withstands effects of weathering, abrasion, solvents—always remains sharp and clear. Kit includes 3—3x6x.015" plates, accessories, solutions. 1½ lbs.

11 L 144.......................6.55

NP-303A MATERIALS

Av. shpg. wt., 8 oz.

Stock No.	Type	Description	Size	EACH
11 L 136	NPEP810	Enamel Plate	8x10"	1.45
13 L 993	NPEP1220	Enamel Plate	12x20"	4.13
11 L 140	NPD2A	Developer	2 oz.	.75
13 L 994	NPD16A	Developer	16 oz.	2.90
11 L 137	NPAS	Adhesive Sheet	8x10"	.70
13 L 995	NPAS1722	Adhesive Sheet	17x22"	2.75

NP-404 MATERIALS

Av. shpg. wt. 8 oz.

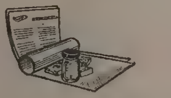
Stock No.	Type	Description	Size	EACH
11 L 132	NPSA36	Anodized Aluminum Plate	3x6"	.75
11 L 133	NPSA1212	Anodized Aluminum Plate	12x12"	4.90
13 L 996	NPSA1220	Anodized Aluminum Plate	12x20"	7.75
11 L 676	D-1PT	Developer	pint	1.15
11 L 135	NPE	Etching Powder	pkg.	.40

MICRO-CIRCUITS S-21 KIT

Lets you create miniature electronic equipment. Make resistors, capacitors, and other components. Also allows you to paint your own radio circuit and make repairs on printed circuits. Includes: brush; silver-conducting paint; low, medium, high and very high resistance paints; insulating lacquer; solvent brush cleaner; the manual, "Design and Repair of Printed Circuits", other literature. 1¾ lbs.

11 L 146.......................23.11

FK-701 PHOTO REVERSING KIT



Prepares line negatives and positives from taped or ink artwork; reverses existing negatives and positives. With 2—10x24" sheets reversing film, developer. 1½ lbs.

13 L 810.......................7.20

EXTRA PHOTO REVERSING SUPPLIES

RF-1024 Rev. Film. 10x24". 2 oz.
13 L 811.......................3.00

RFD-2 Film Developer. 2 oz.
13 L 812.......................60

PL-2A PHOTO LAYOUT KIT

Ends necessity of inking and lettering by use of mechanical negative and pressure-sensitive characters. Reduces layout time; allows errors to be easily corrected. Materials may be used directly as a negative when made to 1:1 scale and photographed and reduced to desired scale when produced at 2:1 or 4:1 scale. Supplied materials will produce 2– 8x10" sheets of artwork. Wt., 1 lb.

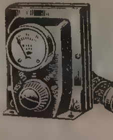
11 L 139.......................3.95

PHOTO LAYOUT SUPPLIES

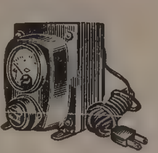
Stock No.	Mfr's Type	Description	EA.
13 L 975	MN-1212	12x12" Mechanical Negative	1.25
13 L 976	AS-3	Acetate Layout Film (18x24"; .005" thick)	1.15
13 L 977	MS-3	Matte Surface Mylar Draft. Film (18x24")	1.95
13 L 900	TC125-031	Terminal Circles ⅛" O.D. (112 per card)	.50
13 L 902	TC250-062	Terminal Circles ¼" O.D. (96 per card)	.50
13 L 909	TC500-125	Terminal Circles ½" O.D. (42 per card)	.50
13 L 912	CSR062	Strips 1/16" wide (Pkg./3; 18 yds. per roll)	2.10
13 L 917	CSR125	Strips ⅛" wide (Pkg./2; 18 yds. per roll)	2.30
13 L 921	CSR250	Strips ¼" wide (Pkg./2; 18 yds. per roll)	2.60
13 L 984	AT-810	Pressure Sensitive Letters and Numerals on transparent base (3 sizes, 4 fonts)	2.50
13 L 985	GP-10	Graph Paper 1/10" grid (22"x10")	2.00
13 L 986	KS-H10	Knife Set. 5" holder, 9 blades, 1 point	3.50
13 L 987	BD-6B	Bow Dividers. 6", with 2 KB-67 blades	3.50
13 L 988	KB-67	Knife Blades, .081" shank (pkg. of 4)	1.50
13 L 989	CDC-50	Center Dot Cutter, cuts .050" dia. hole	.60

Variable and Fixed-Voltage Transformers

ACME VARIABLE VOLTAGE ADJUSTERS



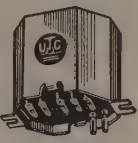
Type T8394M. Constant-duty, tapped-winding transformer for use when line voltages are below or above normal for relatively long periods of each day. Rated 300 watts. Corrects both low and high voltage by manual adjustment of 7-position switch until built-in voltmeter reads 115-v. output. Regulating input-switch positions for 95, 100, 105, 110, 115, 120 and 125 v., 50-60 cycles. Built-in secondary receptacle for connection to available circuit. 8-ft. line cord. 4¾x4x5". 6 lbs.
62 G 514........................**11.55**



Type T10306. Constant-duty 150-w. step-up or step-down transformer to correct low or high line voltage. Voltmeter indicates secondary output v. Primary tapped for 65, 75, 90, 100, 115, 130 and 145 v., 50-60 cycles. Secondary output, 115 v. Non-aging, silicon steel laminations; impregnated coils. Rotary tap switch. 8-ft. cord, plug, output receptacle. 4⅛x4⅝x4⅛". Mtg. ctr., 5¾x3¾". 7 lbs.
62 G 501........................**15.75**

UTC STANDARD PHOTOFLASH TRANSFORMERS

Can be used for either standard (Amglo type) or trigger (Sylvania) multiple flash tubes.



PF-1, PF-5

Type PF-1 Power Transformer. Pri., 115 v., 50-60 cycle AC. Secondary with 2X2 rectifier delivers 2200 v., DC to capacitor up to 100 mfd. Fil. tap for 2X2. 2½x3¾x2⁵⁄₃₂". 2½ lbs.
62 G 230........................**8.40**

Type PF-3 Trigger Transformer. (Not illus.) With PF-1 above, triggers (Sylvania type) flash tubes. 15 KV peak. Dia., ⅞". 3" long. 6 oz.
62 G 232........................**6.00**

UTC TRANSISTOR PHOTOFLASH TRANSFORMERS

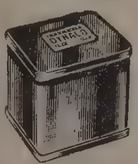
Miniaturized lightweight units for transistor-type photoflash supply. For 115 v., AC or portable battery operation.

Type PF-5 Power Transformer. Has 2 primary windings: one for 115 v., 50-60 cycle AC; the other for 4½-v. battery-powered transistors, switched by the PF-6 inverter transformer, below. Secondary output with voltage doubler: 400 VDC to charge photoflash capacitor. Mounting center, 2⅜". 1⅞x2¹³⁄₁₆x1¾". 1 lb.
63 G 527........................**8.40**

Type PF-6 Inverter Transformer. (Not illus.) Transforms 4½-VDC to AC, to drive PF-5, above. ⅞x1³⁄₁₆". 2 oz.
63 G 528........................**5.10**

Type PF-7 Trigger Transformer. (Not illus.) Used with PF-5 and PF-6, above to trigger flash tubes. .25-mfd capacitor, discharging through tapped winding, gives 6-KV pulse. ⅞x¹⁵⁄₁₆". ½ oz.
63 G 529........................**3.60**

DYNACO HI-FI TRANSFORMERS

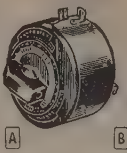


Feature very low distortion. Para-coupled windings ensure accurately balanced coil with tight coupling between sections. Also has massive core of thin gauge steel. Virtually eliminates critical balancing of output tubes. A-440 has tertiary winding with taps for either screen or cathode connection. All others have screen taps on primary, 8 and 16-ohm secondaries, except *4, 8, 16 ohms. †4, 8, 16 ohms and 70.7 v.

Stock No.	Mfr's Type	Pri. Ohms	Output Watts at 30 to 15,000 cps	Output Watts at 20 to 20,000 cps	Size HWD	Wt., Lbs.	EACH
61 G 981	A-410	8000	30	15	3¾x3x2⅞"	5	14.95
61 G 982	A-420	6600	60	30	4½x3½x3¾"	7	19.95
61 G 984	A-431*	4300	120	60	5x4⅝x4"	14	34.95
61 G 985	A-431-70†	4300	120	60	5x4⅝x4"	14	39.95
61 GU 986	A-440	4300	240	120	6x4¾x5⅞"	24	
61 GU 987	A-450*	2200	240	120	6x4¾x5⅞"	23	

SUPERIOR VARIABLE AUTOTRANSFORMERS

"Powerstat" variable transformers offering many applications in radio and TV sets, hi-fi equipment, Amateur gear, etc. Excellent for boosting or reducing AC line voltage that is consistently low or consistently high.



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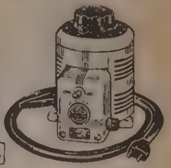


B

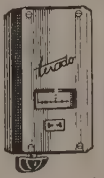
Maximum current ratings apply over full output-voltage range. Toroidal core with rotating brush tap delivers adjustable voltage from zero to above input voltage. Zero waveform distortion. Type 10B has "L" terminal which allows connecting to limit output to applied voltage; mounts behind panel. Type 116 is for 110-120 v., 50-60 cycle AC. Type 10B is for 60 cycles. Sizes in table: 10B, distance back of panel, and diameter; 116, overall height, and diameter. Type 116 has on-off switch, line cord and plug, fuse, and a standard AC output receptacle built-in.

Stock No.	Mfr's Type	Fig.	Output Volts	Output Amps	Output KVA	Size	Wt., Lbs.	EACH
62 G 536	10B	A	0-132	1.75	0.165	2¹⁄₁₆x2¹³⁄₁₆"	2½	8.50
62 G 525	116	B	0-140	7.5	1.0	6½x4⅝"	12	24.00

G. E. "VOLT-PAC" VARIABLE TRANSFORMER

Type 9H30AA10X. Manually operated variable transformer. Features even-flow heat sink, high-current capacity for its physical size, exclusive quick-transfer current collector; grain-oriented solid-carbon brushes provide positive contact and low resistance, specially coated brush track, and corrosion-resistant parts throughout. Solid-carbon brush construction reduces circulating currents, lowers brush temperature and improves performance. 120 v. input. 0-132 v. output at 2.0 amps. 60 cycles. When used on 50 cycles, output voltage is limited to rated input voltage. Mounts on panels up to ³⁄₁₆" thick. Terminal board designed to accept push-on lugs and screw-on and solder connections. Imprinted with connections for line and load. Requires 2⅛" behind panel. Size, 3⅜x2⅞x3". Shpg. wt., 3 lbs.
63 G 099. 1-99........................Each **8.50**

TERADO 110-AC LINE VOLTAGE ADJUSTERS



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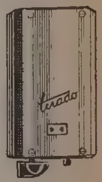


D

C **Model 50-172 "Saturn" Adjuster.** Changes regular AC line input by 25 volts above or below normal level. Has accurate AC voltmeter. Capacity, 300 watt continuous; 500 watts intermittent. Overall size, 5½x3x2¼". Shpg. wt., 3 lbs.
64 G 625........................**14.65**

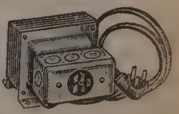
D **Model 50-173 "Jupiter" Adjuster.** Designed to increase or decrease the speed of electric hand tools, such as drills, etc. Changes regular AC line voltage to 20 volts above normal, or lowers voltage in seven steps to 50 volts. Capacity, 300 watts continuous; 500 watts intermittent. Overall size, 5½x3x2¼". Shpg. wt., 3 lbs.
64 G 626........................**12.63**

Model 50-203 "Planet" Adjuster. (Not illus.) Designed to increase the efficiency of motorized equipment, hi-fi, and portable TV. Output ranges, from 95 to 135 volts. Capacity, 150 watts continuous; 300 watts intermittent. Size 5½x3x2¼". 2 lbs.
64 G 627........................**7.80**

Model 50-204 "Polaris" Adjuster. (Not illus.) Similar to "Planet" adjuster at left, but designed for higher wattage equipment. Output adjustable from 95 to 135 volts. Capacity, 300 watts continuous; 500 watts intermittent. Size, 5½x3x2¼". 3 lbs.
64 G 628........................**9.20**

STANCOR OSCILLOSCOPE AND AIR CONDITIONER TRANSFORMERS

Type P-8178 Oscilloscope Transformer. A power transformer designed for oscilloscopes, CRT applications and other conventional half-wave supplies. Primary, 117 volts, 60 cycles. Plate, 1800 volts, AC at 2 ma, DC. Rectifier filament, 2½ volts at 1.8 amps. Other filament winding, 6.3 volts at 0.6 amps tapped at 2.5 volts, 2.2 amps. Size, 3⁵⁄₃₂x3¾x3¹³⁄₁₆". Mounting centers, 2½x2⁷⁄₁₆". 5 lbs.
63 G 274........................**9.04**



Type PSU-2000 Air Conditioner Autoformer. For units with ½ to 1 hp motors (½ to 1 ton). Converts 208 v. unit to 230 v., or vice-versa. Cord, 250 v. plug, recept. 2.3 KVA. 3½x6½x3¾". 9 lbs.
63 G 967........................**16.40**

Type PSU-3000. As above, but drives 1-2 hp motors of 1-2 ton units. 8 KVA. 4x6x4½". 10 lbs.
63 G 968........................**19.71**

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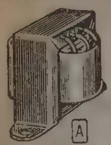
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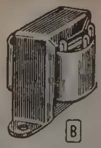
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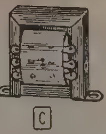
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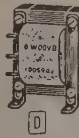
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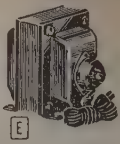
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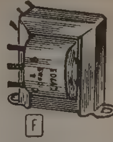
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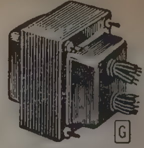
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Compare specifications and prices. Allied's own Knight components always give you more for your money!

FILAMENT TRANSFORMERS

Primaries, 117 volts, 50-60 cycles. All center-tapped, except †. *107 v. tap on primary. §Has electrostatic shield.

Stock No.	Fig.	V	Amps	Insul., RMS V	Size	Wt., Lbs.	EACH
64 G 132	A	2.5	3	1500	1⅝x2¹³⁄₁₆x1⅞″	¾	2.12
61 G 478	F	2.5	5.0	5000	2¾x3⅛x2⅛″	1¾	2.86
61 G 474	H	2.5	10.0	2500	3³⁄₁₆x2⅝x2¹¹⁄₁₆″	2¾	4.06
64 G 133	A	2.5	10	3000	2⅜x3¾x2⅜″	1¾	3.51
61 G 475	A	5.0	3.0	2500	2x3¼x2″	1½	2.52
62 G 028	A	5.0	6.0	2500	2⅜x3⅝x2¼″	1¾	3.03
61 G 416	A	6.3	0.6	1500	1⅜x2⅜x1⅝″	½	1.43
62 G 030	A	6.3	1.0	1500	1⅝x2¹³⁄₁₆x1¾″	¾	1.50
61 G 419	A	6.3	1.2	3000	1⅝x2¹³⁄₁₆x1⅞″	¾	1.51
62 G 031	A	6.3	3.0	2500	2x3¼x2⅜″	1½	2.46
61 G 477	H	*§6.3	4.0	2500	3³⁄₁₆x2⅝x2¹¹⁄₁₆″	2¾	4.11
64 G 134	H	6.3	6	1500	3⅛x2⅝x2¾″	2½	4.92
61 G 417	D	6.3	6.0	2500	3x2½x2¼″	2½	3.92
61 G 418	D	*6.3	10.0	2500	3⅜x2¹³⁄₁₆x2⅞″	3½	4.78
64 G 135	H	6.3	20	2000	3⅞x3⁹⁄₃₂x4⅛″	7	9.16
64 G 136	A	12.6	1.5	1500	2x3¼x2″	1½	2.75
61 G 420	A	12.6	2.0	1500	2x3¼x2¼″	1½	2.49
64 G 137	A	12.6	2.5	1500	2¼x3⅝x2¼″	1¾	3.91
61 G 421	A	†25.2	1.0	1500	2x3¼x2⅛″	1½	2.36
64 G 140	A	25.2	2.0	1500	2⅝x4x2⅜″	2½	4.25
61 G 476	A	26.5	0.6	3000	2x3¼x2″	1½	2.26
64 G 145	A	26.8	1.0	1500	2x3¼x2¹³⁄₁₆″	1½	2.75

L STANDARD LINE-TO-VOICE-COIL TRANSFORMERS

500-ohm primary, except *2000/1500/1000/500 and §3000/2000/1500/1000/500 ohms. †Fig. P.

Stock No.	Secondary Imp., Ohms	Audio Watts	Size	Wt. Lbs.	EACH
61 G 442	4-8	*4	1⅜x2⅜x1½″	½	1.70
61 G 423	6-8/3.2	5	1⅜x2⅜x1½″	½	1.29
61 G 425	6-8/3.2	*8	1⅝x2¹³⁄₁₆x1⅝″	¾	2.10
61 G 443	4-8	*12	2x3¼x1⅞″	1¾	2.30
61 G 451	4/8/16	†§10	2⅜x2⅞x1⅞″	1¾	2.77
61 G 424	15/8/6/4	†25	2⅜x2⅞x1⅞″	1¾	2.49

70.7-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Secondaries: 4, 8, 16 ohms, except *3.2-4, 6-8. †High-fidelity.

Stock No.	Fig.	Watt Taps	Max. Watts	Size	Wt., Lbs.	EACH
61 G 440	L	2, 1, .5	*2	1³⁄₁₆x2¹⁄₁₆x1¼″	¼	1.93
62 G 081	L	5, 2.5, 1.25, .62, .31	*5	1⅜x2⅜x1½″	¾	1.92
61 G 422	P	8, 4, 2, 1, 0.5	8	2x2⅜x1⅝″	¾	2.54
62 G 077	L	10, 5, 2.5, 1.25, .62	10	1⅝x2¹³⁄₁₆x1⅝″	¾	2.41
62 G 078	P	18,9,4.5,2.25,1.12,.56	18	2⅜x2⅞x1⅞″	1¾	2.95
61 G 450	P	16, 8, 4, 2, 1, 0.5	16	2¾x3⅛x2¼″	2	3.89
62 G 079	L	24, 12, 6, 3, 1.5, .75	24	2¼x3¹¹⁄₁₆x2¼″	1¾	3.54
61 G 441	L	5, 2.5, 1.25, .625, .31	†5	1⅝x2¹³⁄₁₆x1⅝″	¾	2.53

25-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Secondaries: 4, 8, 16 ohms, except *3.2-4, 6-8

61 G 436	L	2, 1 0.5	*2	1³⁄₁₆x2¹⁄₁₆x1¼″	¼	1.89
61 G 437	L	5,2.5,1.25,0.625,0.31	*5	1⅝x2¹³⁄₁₆x1⅝″	¾	2.20
61 G 438	L	10,5,2.5,1.25,0.625	10	2¼x3¹¹⁄₁₆x2″	1¾	3.13
61 G 439	L	18, 9, 4.5, 2.25, 1.12	18	2⅝x4x2¼″	2½	3.73

MINIATURE INTERCOM/TRANSCEIVER TRANSFORMERS

Transceiver and intercom transformers designed to replace original units. *Transceiver input, mike or plate to grid; has 4.5% primary tap used in B + filter network for hum reduction. †Intercom input, voice coil to grid. §Line to voice coil. Av. shpg. wt., ½ lb.

Stock No.	Fig.	Impedance, Ohms		Audio Watts	Mtg. Ctrs.	EACH
		Primary	Secondary			
61 G 491	A	*200/5000	60,000	5	2⅜″	2.09
61 G 492	A	†4	25,000	......	2″	1.65
61 G 493	B	§45/50	3-4, 6-8	3	2″	1.44

A STANDARD OUTPUT TRANSFORMERS

Couple plate of output tube to speaker voice coil. For class A amplifiers. §4.5% primary tap. *Fig. F. Shpg. wt. ¾ lb.

Stock No.	Primary		Sec. Imp.	Audio Watts	Size	EACH
	Imp.	Ma				
61 G 401	2000	50	3.2	3	1¼x2⅛x1¼″	1.02
62 G 065	2000	50	3.2	5	1⅜x2⅜x1⅜″	1.00
61 G 445	§2000	60	3.5	5	1⅜x2⅜x1½″	1.48
61 G 402	2000	60	4	5	1⅜x2⅜x1⅜″	1.07
62 G 063	2500	50	3.2	3	1¼x2⅛x1⅜″	1.07
61 G 400	4000	10	3.5	3	1¼x2⅛x1¼″	1.00
62 G 064	5000	40	3.2	3	1¼x2⅛x1⅜″	1.07
61 G 403	5000	40	4	5	1⅜x2⅜x1⅜″	1.07
61 G 446	*5000	40	6-8	10	2⅜x2⅞x1⅞″	1.89
61 G 447	7000	30	4	5	1⅜x2⅜x1⅜″	1.25
62 G 093	8000	20	3.2	3	1¼x2⅛x1⅜″	1.00
61 G 448	10,000	30	4	5	1⅜x2⅜x1⅜″	1.20
61 G 449	25,000	5	4	5	1⅜x2⅜x1⅜″	1.42

UNIVERSAL OUTPUT TRANSFORMERS

CT primary, except *single-ended output. 6 taps on secondary. Match single or push-pull tubes to speaker voice coil. †Fig. C.

Stock No.	Fig.	Primary Impedances	Watts	Mtg. Ctrs.	Wt., Lbs.	EACH
62 G 023	B	2000-14,000 ohms	4	2″	½	1.77
62 G 021	B	2000-14,000 ohms	8	2⅜″	¾	1.99
61 G 452	C	†2000-14,000 ohms	8	2″	¾	2.27
62 G 022	C	†2000-14,000 ohms	18	2⅜″	1¼	2.84
61 G 453	B	6000-10,000 ohms	8	2¹³⁄₁₆″	1¼	2.54
61 G 404	B	*7000-10,000 ohms	4	2″	½	1.37
61 G 454	B	5000, 10K, 20K	15 ma	2¹³⁄₁₆″	1	3.04

FIXED-IMPEDANCE OUTPUT TRANSFORMERS

For a wide variety of audio applications. All have center-tapped primary for push-pull operation.

Stock No.	Fig.	Impedance, Ohms		Audio Watts	Mtg. Centers	Wt., Lbs.	EACH
		Primary	Secondary				
61 G 457	A	4000	8/16/32	7½	3⅛″	1¾	3.04
61 G 455	H	66K	4/8/15/250/500	35	2½x2¼″	5¼	7.20
61 G 456	A	25K	4	5	2″	½	1.65

HIGH-FIDELITY PUSH-PULL OUTPUT TRANSFORMERS

For use in high-fidelity audio amplifiers. Screen taps on primary for ultra-linear operation, except *no screen tap. Frequency response flat from 15 to 35,000 cps., except types without screen tap flat 20-20,000 cps. Secondaries 4, 8, 16 ohms, except ‡8, 16.

Stock No.	Fig.	Watts	P-P Imp.	†Ma	Size	Wt., Lbs.	EACH
62 G 082	J	12	8000	60	3¾x3x3¼″	3½	7.90
62 G 018	J	*18	8000	65	3¾x3x3¼″	3½	8.50
62 G 019	K	30	6600	100	4¼x3⅝x4½″	7	14.01
62 G 024	H	12	8000	60	3⅛x2⅝x2¾″	2½	6.76
62 G 058	A	*18	8000	65	2⅝x4x2½″	2¼	5.35
62 G 054	H	24	6600	75	3⅞x3¼x3⅞″	6	11.35
62 G 059	H	30	6600	100	3⅞x3¼x4″	6	11.85
62 G 395	H	*‡50	5000	150	4¼x3½x4″	7	12.08
62 G 397	H	*‡50	6600	125	4¼x3½x4″	7¼	12.08

A AUDIO TRANSFORMERS

Maximum DC permissible in primary is 10 ma. Single plate to P-P grid except, *single plate to single grid, †single or P-P plate to P-P grids. ½x½″ cores. Shpg. wt., ½ lb.

Stock No.	Impedance, Ohms		Turns Ratio	Size	EACH
	Primary	Secondary			
62 G 062	*7000	20,000	1:3	1⅜x2⅜x1⅜″	1.47
61 G 415	7000-15K	....	1:3	1⅜x2⅜x1⅜″	1.74
61 G 458	10,000	40,000 CT	1:2	1⅜x2⅜x1½″	1.74
61 G 459	10,000	90,000 CT	1:3	2x3¼x2″	2.64
61 G 460	†10,000 CT	90,000 CT	1:3	1⅝x2⅞x1½″	2.17

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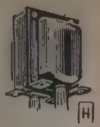
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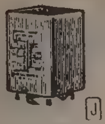
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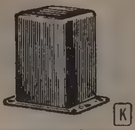
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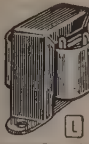
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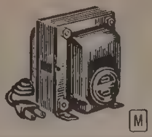
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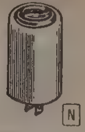
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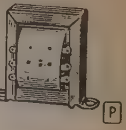
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POWER TRANSFORMERS

For radio replacement use, etc. Fully shielded. Heavy-duty 5″ coded leads. All plate windings are center-tapped, except *half-wave type; for 6AX5, 6X4, 6X5 and similar 6.3 v. filament rectifiers and for selenium rectifier. CT 6.3 v. winding except § has 2—6.3 v. windings. †Not CT. 110-120 volt, 50-60 cycle primaries.

Stock No.	Fig.	Plate		5 V at A	6.3 V at A	Mtg. Ctrs.	Wt., Lbs.	EACH
		VCT	Ma					
61 G 410	F	*125	15	.....	†0.6	2″	¼	1.72
61 G 411	A	*125	50	.....	†2	3⅛″	1½	2.78
62 G 008	F	250	25	.....	†1	2⅜″	1	2.05
61 G 461	H	460	50	.....	†2.5	2x1¾″	2¾	3.87
62 G 502	G	460	50	.....	†2.5	2½x2″	2¾	3.87
62 G 034	G	480	40	2	2	2½x2″	2¾	4.00
61 G 427	H	480	40	2	2	2x1 11/16″	2¾	4.00
61 G 462	H	480	55	2	2	2x1¾″	3	4.50
61 G 463	H	480	70	.....	†3	2x1⅞″	3	4.48
62 G 505	H	500	40	2	2	2x1 11/16″	3	4.48
62 G 551	H	500	40	.....	2	1 25/32x1⅞″	2¼	4.34
61 G 464	H	500	70	2	2.5	2x2⅛″	3½	5.20
61 G 465	H	520	90	.....	†4	2¼x2 1/16″	3¾	5.26
61 G 444	G	520	90	2	3	2 13/16x2¼″	4	5.10
61 G 412	H	520	90	2	3	2¼x2¼″	4	5.10
62 G 554	H	525	90	2	5	2¼x2½″	4½	8.10
61 G 466	H	540	120	3	3.5	2½x2¼″	5	7.35
61 G 467	G	550	50	2	2.5	2½x2″	3¾	5.85
61 G 468	G	600	70	2	3	2½x2″	3¾	6.31
62 G 523	H	600	90	2	3.5	2¼x2¼″	4¼	6.50
61 G 469	G	600	120	3	5	3⅛x2½″	6	7.90
62 G 041	G	650	40	2	2	2½x2″	2½	4.16
61 G 470	H	650	55	2	2	2x2⅛″	3½	4.96
62 G 042	G	650	70	3	3.5	2½x2″	4¼	4.34
61 G 428	H	650	70	3	3.5	2x2¾″	4¼	4.34
61 G 471	G	650	150	3	5	3⅛x2½″	7½	7.82
61 G 472	H	680	70	2	2.5	2¼x2 3/16″	4	5.98
62 G 043	G	700	90	3	3.5	2 13/16x2¼″	4½	5.75
61 G 429	H	700	90	3	3.5	2¼x2⅜″	4¼	5.75
62 G 044	G	700	120	3	4.7	3⅛x2½″	5¾	6.76
61 G 430	H	700	120	3	4.7	2½x2 11/16″	5¾	6.76
62 G 535	H	700	200	3	6	3x2 13/16″	8	10.32
62 G 045	G	750	150	3	5	3⅛x2½″	6½	8.72
61 G 431	H	750	150	3	5	2½x3 1/16″	6½	8.72
62 G 553	H	750	175	3	8	2¾x3 5/16″	9½	11.17
62 G 033	G	800	200	3	5	3¾x3″	8	9.06
61 G 414	H	800	200	3	5	3x2 13/16″	7¾	9.06
62 G 548	H	800	250	4	†5	3x3 5/16″	10¼	11.55
61 G 473	H	1200	200	3	†§3	3x3 1/16″	9½	11.50

D MULTI-TAP SELENIUM RECTIFIER TRANSFORMERS

Tapped primary and additional tapped winding permit a variety of output voltages in addition to those shown. 117 v., 50-60 cycle primaries. Include wiring diagram. *Capacitive load.

Stock No.	Rect. Circuit	Range of AC Volts	Max DC Output*		Size	Wt., Lbs.	EACH
			Volts	Amps			
62 G 331	C.T.	11.5 to 29.5	13.6	2			
	Bridge	11.0 to 28.5	30.0	1.25	3x2½x2¾″	2¾	4.66
62 G 332	C.T.	12.0 to 29.6	14.5	4			
	Bridge	12.0 to 29.6	33.0	2	3⅜x2⅞x3″	4½	5.90
62 G 333	C.T.	11.5 to 29.0	14.5	8			
	Bridge	11.5 to 29.0	32.2	4	3¾x3⅛x3½″	6¼	7.95
62 G 334	C.T.	12.0 to 29.5	14.2	12			
	Bridge	12.0 to 29.5	32.0	6	4⅛x3½x3⅞″	9	10.52
62 G 335	C.T.	12.0 to 29.0	14.5	15			
	Bridge	12.0 to 29.0	32.0	8	4⅝x3¾x5″	13	12.85

CONTROL TRANSFORMERS

For high-speed automatic equipment, relays, pilot lamps, solenoids, small motors. May be used in high current, low voltage power supplies. Secondary has two identical windings which permit series or parallel operation. Primary for 115 or 230 v., 50-60 cycles.

Stock No.	Fig.	Parallel Sec.		Series Sec.		Size	Wt., Lbs.	EACH
		Volts	Amps	Volts	Amps			
62 G 351	P	6	2	12	1	2⅜x2⅞x1¾″	1	2.60
62 G 352	P	6	4	12	2	2¾x3⅛x2″	1¾	3.03
62 G 353	P	12	4	24	2	3⅛x3⅝x2¼″	2½	3.98
62 G 354	D	12	8	24	4	3⅜x2⅞x3″	4½	6.62

A FILTER CHOKES

Excellent for receivers, low-power transmitters, etc. 1500 v. rms insulation, except *2000 v., †3000 v. §Fig. D. ‡Fig. H.

Stock No.	Hys.	Ma	Res., Ohms	Mtg. Centers	Wt., Lbs.	EACH
64 G 700	§.08/.02	2500/5000	.61/.155	2½x3 1/16″	6¾	8.27
64 G 701	§.3/.075	1000/2000	3/.75	2¼x2 11/16″	4¾	6.46
64 G 702	.33	600	10	2 13/16″	1½	2.25
64 G 703	.70	290	30	2⅜″	¾	1.20
61 G 405	0.8	375	25	3⅛″	1¼	2.49
61 G 479	*1.0	300	40	3⅛″	1¼	2.44
61 G 480	†1.5	10	95	1¾″	¼	1.20
61 G 406	1.5	200	60	2⅜″	¾	1.30
61 G 481	2.0	200	65	3⅛″	1¾	2.34
61 G 482	2.3	150	60	2 1/16″	1	1.84
61 G 483	*3.0	150	97	3⅛″	1¾	2.08
61 G 407	3.5	50	200	2⅜″	¾	1.18
62 G 135	5.5	50	330	2″	½	.93
61 G 408	7.0	50	550	2″	½	1.03
61 G 484	7.0	150	200	3 9/16″	2¼	2.94
61 G 485	8.0	85	260	2 1/16″	1½	2.06
62 G 136	8.5	50	400	2⅜″	¾	.98
61 G 409	†§8.5	200	140	2¼x2⅛″	3½	5.40
62 G 139	10.5	110	220	3 9/16″	2¼	2.49
61 G 486	‡12/8/4	100/150/200	145	2x1¾″	2¾	3.58
61 G 487	13.0	65	385	2 13/16″	1	1.92
62 G 138	15.0	75	400	3⅛″	1¾	2.09
62 G 137	16.0	50	550	2 13/16″	1	1.57
61 G 488	‡16.0	80	365	2x1¾″	2¾	3.84
61 G 489	20.0	15	900	2⅜″	¾	1.64

VARIABLE VOLTAGE AND ISOLATION TRANSFORMERS

Output, 115 v., except *105, 115, 125. 50-60 cps. 6′ cord, plug.

Stock No.	Fig.	Watts	Input Volts	Size	Mtg. Centers	Wt., Lbs.	EACH
62 G 080	E	150	90-250	4⅝x3⅞x5½″	3x3⅛″	9½	13.11
61 G 490	E	100	105-125	4⅝x3⅞x4¾″	3x2 9/16″	7½	11.85
62 G 563	M	*350	117	5½x4⅝x5¾″	3½x3⅞″	16	19.60

M ISOLATION TRANSFORMERS

Reduce shock hazard by isolating equipment from AC power line. Prevent "hot chassis" when servicing AC-DC equipment. For 115 v., 50-60 cycles. With 6-ft. cord, plug, standard AC receptacle.

Stock No.	Watts	Size	Wt., Lbs.	EACH
61 G 426	50	3⅝x3x3⅜″	3½	5.67
62 G 086	100	4⅜x3⅝x4″	7	10.00
62 G 087	250	4⅝x3⅞x4⅝″	12½	17.50

230 TO 115-VOLT STEP-DOWN AUTOTRANSFORMERS

Well-built step-down transformers for reducing 220-250 volts, 50-60 cycles to 110-125 volts. For operating tape recorders, radios, amplifiers, household appliances, etc. Shielded construction. With 8-ft. cord and plug. Standard AC receptacle on case.

Stock No.	Fig.	Volt-Amps	Size	Wt., Lbs.	EACH
61 G 494	N	8	3¾x1 11/16″	1	3.00
62 G 555	A	20	2x3¼x2″	1¼	2.37
62 G 556	A	40	2 5/16x3⅝x2⅛″	1¾	3.09
62 G 510	M	80	3⅝x3x3¼″	3¼	5.70
62 G 557	M	100	3½x2⅞x3⅜″	4	6.00
62 G 511	M	150	4x3⅜x3⅝″	4¾	7.20
62 G 512	M	250	4⅝x3⅞x4¼″	7¾	9.45
62 G 513	M	500	4⅝x3⅞x4¾″	11	13.00
61 G 434	M	750	5½x4⅝x5″	13¾	16.33
61 G 432	M	1000	5½x4⅝x5¼″	14¾	20.33
61 G 435	M	1500	6x4½x5⅝″	20	24.00
61 G 433	M	2000	6x4½x6⅜″	25	27.21

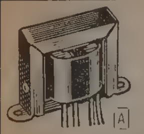
M 115 TO 230-VOLT STEP-UP AUTOTRANSFORMERS

Increase 110-125 volts, 50-60 cycles, to 220-250 volts. Shielded construction. 8′ cord, plug. Std. AC receptacle on case.

Stock No.	Volt-Amps	Size	Wt., Lbs.	EACH
62 G 558	80	3⅝x3x3¼″	3¼	5.70
62 G 559	150	4x3⅜x3⅝″	4¾	7.19
62 G 560	500	4⅝x3⅞x4¾″	10¼	13.00

Knight and Stancor Transformers

knight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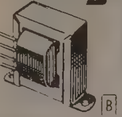
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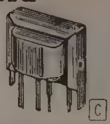
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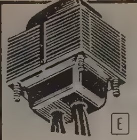
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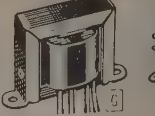
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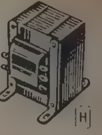
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TRANSISTOR TRANSFORMERS

Allied's own line of economically priced, ruggedly constructed, transistor transformers. All are made from high-quality materials and provide excellent power-handling capabilities and frequency response along with a minimum amount of distortion. Included are a wide selection of miniature input, output, interstage and driver transformers in a variety of impedance and ratio values for most transistor circuit requirements. In tables below, impedance and resistance-values are given in ohms. Av. shpg. wt., 6 oz. **Write wire or phone Allied for information on quantity purchases of ten or more transformers of one type. Use Company Letterhead Stationery.**

INPUT TRANSFORMERS

Stock No.	Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
64 G 146	A	600 CT	10	.050	1 3/16x1 9/16x15/16″	1 5/16″	1.59
62 G 355	C	30 CT	50K	.150	21/32x1 3/16x9/16″	25/32″	2.74
62 G 356	A	1K CT	200K CT	.300	1 3/16x1⅝x¾″	1⅜″	2.74

OUTPUT TRANSFORMERS

Stock No.	Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
62 G 357	C	350 CT	4, 12	.150	21/32x1 3/16x9/16″	25/32″	2.63
62 G 358	C	500 CT	4, 8, 16	.150	21/32x1 3/16x9/16″	25/32″	2.74
62 G 359	C	600 CT	4, 8, 16	.150	21/32x1 3/16x9/16″	25/32″	2.74
62 G 360	C	825 CT	4, 8, 16	.150	21/32x1 3/16x9/16″	25/32″	2.74
62 G 361	C	1250	4, 12	.150	21/32x1 3/16x9/16″	25/32″	2.60
62 G 362	C	2500	4, 16	.150	21/32x1 3/16x9/16″	25/32″	2.60
62 G 363	C	10K CT	4, 8, 16	.150	21/32x1 3/16x9/16″	25/32″	2.80
64 G 150	A	2000 CT	4, 8, 16	.200	¾x1 9/16x¾″	1⅜″	4.38
62 G 365	A	100 CT	4, 8, 16	.300	1 3/16x1⅝x¾″	1⅜″	2.85
62 G 367	A	400 CT	4, 8, 16	.300	1 3/16x1⅝x¾″	1⅜″	2.70
62 G 368	A	500 CT	4, 8, 16	.300	1 3/16x1⅝x¾″	1⅜″	2.74
62 G 369	A	700 CT	4, 8, 16	.300	1 3/16x1⅝x¾″	1⅜″	2.85
62 G 370	A	2500	4, 8, 16	.300	1 3/16x1⅝x¾″	1⅜″	2.70
62 G 371	A	3000	4, 8, 16	.300	1 3/16x1⅝x¾″	1⅜″	2.70
62 G 336	A	48 CT	8, 16	5	2x3 5/16x1¾″	2 13/16″	2.96
62 G 337	A	20 CT	8	10	1 7/16x2⅜x1¾″	2″	1.60
64 G 147	B	48 CT	3.2, 8, 16	10	2 5/16x2⅞x2″	2⅜″	2.54
64 G 149	B	100 CT	3.2, 8, 16	10	2 5/16x2⅞x2″	2⅜″	2.51

INTERSTAGE TRANSFORMERS

Stock No.	Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
62 G 340	A	500 CT	5K CT	.030	1⅜x2 7/16x1⅜″	2″	2.10
62 G 372	C	100 CT	10 CT	.150	21/32x1 3/16x9/16″	25/32″	2.60
62 G 373	C	500 CT	50	.150	21/32x1 3/16x9/16″	25/32″	2.58
62 G 374	C	500 CT	50K	.150	21/32x1 3/16x9/16″	25/32″	2.70
62 G 375	C	1200	20K CT	.150	21/32x1 3/16x9/16″	25/32″	2.63
62 G 376	C	1500	500 CT	.150	21/32x1 3/16x9/16″	25/32″	2.51
62 G 377	C	5K CT	7500 CT	.150	21/32x1 3/16x9/16″	25/32″	2.74
62 G 378	C	5K CT	10K CT	.150	21/32x1 3/16x9/16″	25/32″	2.63
62 G 386	C	10K	200 CT	.150	21/32x1 3/16x9/16″	25/32″	2.63
62 G 387	C	10K	2K CT	.150	21/32x1 3/16x9/16″	25/32″	2.60
62 G 390	C	500 CT	150 CT	.150	21/32x1 3/16x9/16″	25/32″	2.63
64 G 180	C	20K	800 CT	.150	21/32″x1 3/16x⅝″	25/32″	2.41
62 G 338	A	100 CT	10 CT	.250	1¼x2 1/16x1⅜″	1¾″	1.60
62 G 339	A	100	1K CT	.250	1⅜x2 7/16x1⅜″	2″	1.60
62 G 391	A	100K	1500 CT	.300	1 3/16x1⅝x¾″	1⅜″	2.76
64 G 174	A	500 CT	500 CT	.300	1 3/16x1⅝x¾″	1⅜″	2.51

DRIVER TRANSFORMERS

Stock No.	Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
64 G 151	A	1000	200 CT	.050	⅝x1¼x½″	1 1/16″	3.92
64 G 153	A	100	200 CT	.500	1¼x2x1¼″	1¾″	1.77
64 G 165	A	500 CT	200 CT	.500	1¼x2x1¼″	1¾″	1.97
64 G 166	A	100	100 CT	.500	1⅝x2x1⅜″	2⅜″	1.59
64 G 152	A	20	36 CT	1.0	1 3/16x2 1/16x1⅛″	1¾″	1.42

LOW-VOLTAGE RECTIFIER TRANSFORMERS

For silicon diode and transistor DC voltages with full-wave or bridge rectifier. 1500 volt test. Primaries, 115 v. Primaries of Fig. A types are tapped. All are Fig. A except * Fig. D.

Stock No.	Secondary		Size H x W x D	Mtg. Ctrs.	Wt. Lbs.	EACH
	Volts AC	Amps.				
64 G 731	10 20 CT-40 CT	.035	1 7/16x2⅜x1⅜″	2″	½″	2.71
64 G 732	10-20 CT-40 CT	.100	1 11/16x2 13/16x1⅝″	2⅜″	¾″	3.07
64 G 733	10-20 CT-40 CT	.300	2 5/16x3 11/16x2″	3⅛″	1½″	3.66
64 G 734	10-20 CT-40 CT	.750	2⅝x4x2⅜″	3 9/16″	2½″	4.66
64 G 735	10-20 CT-40 CT	1	3⅛x2⅝x3⅛″	2x2¼″	3¼″	6.91
64 G 736	0-17-18	3*	3⅛x2 9/16x2⅞″	2x2⅜″	3¼″	5.11
64 G 737	0-17-18	6*	3 13/16x3 3/16x3¼″	2½x2⅝″	5¾″	6.91
64 G 738	0 6 5 13-19.5-26	3*	3½x2⅞x2⅜″	2¼x2⅛″	3½″	5.56
64 G 739	0-24-27-30-33-36	3*	3 13/16x3 3/16x3¼″	2½x2⅝″	5¾″	8.12
64 G 740	0-24-27 30-33-36	8*	4⅝x3 13/16x3⅞″	3x3¼″	10¾	12.63

POWER TRANSFORMERS

For 6.3 Volt Tubes. All transformers have center-tapped 6.3 volt winding except PS-8415, PS-8416, PC-8414, PC-8418, PC-8419, PC-8420, PM-8419, PM-8420 and PA-8421. *For 6AX5, 6X4, 6X5 and similar 6.3 v. filament rectifiers, and for selenium rectifier. All are Figure E, except Types PC & P are Figure F and PS is Figure G. §PC-8414 has an extra 6.3 volt winding (not center tapped), rated at 3 amperes. All primary windings are for 117 volt, 60 cycles.

Stock No.	Mfr's Type	Plate		5V @	6.3V @	Size	Wt., Lbs.	EACH
		VCT	Ma					
64 G 162	PS-8415*	125	15	....	.6A	2⅜x1⅝x2″	¾	2.33
64 G 078	PA-8421*	125	50	....	2.0A	2¼x3¾x2⅛″	1½	3.76
64 G 216	PS-8416*	250	25	....	1.0A	2 5/16x2⅞x1¾″	1	2.80
64 G 077	PC-8418*	460	50	....	2.5A	3 3/16x2⅝x2⅞″	2¾	4.71
64 G 154	PM-8401	470	40	2A	2.0A	2½x3x2⅝″	2¼	5.69
64 G 176	PC-8401	470	40	2A	2.0A	3 3/16x2⅝x2⅝″	2¼	5.42
64 G 170	PM-8402	480	55	2A	2.0A	2¾x2½x3″	2½	5.53
64 G 177	PC-8402	480	55	2A	2.0A	3 1/16x2⅝x2¾″	2½	5.38
64 G 175	PM-8419*	480	70	....	3.0A	2⅞x2½x3″	2¾	5.42
64 G 215	PC-8419*	480	70	....	3.0A	3 3/16x2⅝x2⅞″	2¾	5.42
64 G 167	PM-8420*	520	90	....	4.0A	3½x2⅞x3⅜″	3½	6.56
64 G 168	PC-8420*	520	90	....	4.0A	3½x3x3½″	3½	6.29
64 G 171	PM-8403	500	70	2A	2.5A	3⅛x2½x3″	3¼	6.25
64 G 178	PC-8403	500	70	2A	2.5A	3 3/16x2⅝x3⅛″	3¼	6.25
64 G 179	PC-8404	520	90	2A	3.0A	3⅝x3x3½″	4	6.93
64 G 160	PM-8404	520	90	2A	3.0A	2⅞x3⅜x3⅝″	4	6.93
64 G 172	PM-8405	540	120	3A	3.5A	3½x3⅛x3¾″	5	9.04
64 G 183	PC-8405	540	120	3A	3.5A	4x3¼x3½″	5	9.04
61 G 133	P-6358*	600	65	....	2.7A	3⅛x2⅝x2½″	3	5.84
61 G 237	PM-8423	600	90	2A	3.5A	3¼x2⅞x3⅜″	3¾	7.98
64 G 155	PM-8407	650	55	2A	2.0A	2½x3x3⅛″	3¼	5.89
64 G 157	PM-8406	650	40	2A	2.0A	2½x3x2¾″	2½	5.65
64 G 217	PC-8406	650	40	2A	2.0A	3 3/16x2⅝x2¾″	2½	5.65
64 G 184	PC-8407	650	55	2A	2.0A	3 3/16x2⅝x3⅛″	3½	5.89
64 G 164	PC-8408	680	70	2A	2.5A	3⅜x3⅝x3″	4	7.36
64 G 156	PM-8408	680	70	2A	2.5A	2⅞x3⅜x3½″	4	7.36
64 G 158	PM-8409	700	90	2A	3.0A	2⅞x3⅜x3¾″	4½	7.76
64 G 185	PC-8409	700	90	2A	3.0A	3⅝x3x3⅝″	4½	7.76
64 G 159	PM-8410	720	120	3A	3.5A	3⅛x3¾x3¾″	5½	9.18
64 G 186	PC-8410	720	120	3A	3.5A	4x3¼x3¾″	5½	8.82
64 G 173	PM-8411	750	150	3A	4.5A	3⅞x3½x4⅛″	6	12.31
64 G 187	PC-8411	750	150	3A	4.5A	4 5/16x3⅝x4″	6	11.82
64 G 161	PM-8412	800	200	3A	5.0A	3¾x4½x3⅞″	8¼	12.35
64 G 163	PC-8412	800	200	3A	5.0A	4x4x4¾″	8¼	12.31
64 G 169	PC-8414§	1200	200	3A	3.0A	4¼x4¾x4″	8½	14.47

HIGH-FIDELITY OUTPUT TRANSFORMERS

F Freq. response of 20-20,000 cycles ± 1 db at rated watts. Max. power 50 w. except A8098, 15 w.; A8072, 25 w. *With screen taps. Size, 4 5/16x3 9/16x4¼″ except A8098, 3 3/16x2x2¼″; shpg. wt., 3½ lbs. All others, shpg. wt., 7 lbs.

Stock No.	Mfr's Type	Pri. Imp. (P-P)	Sec. Imp.	Max. Pri. DC Per Half	Rated Watts	EACH
64 G 563	A 8053	5000	8, 16	150 ma	25	13.38
64 G 570	A 8056	6600	8, 16	125 ma	25	13.38
64 G 564	A-8054	9000	8, 16	100 ma	25	13.38
64 G 574	A-8072*	7600	4, 8, 16	100 ma	25	16.36
61 G 183	A-8098	2000	8, 16, 32	140 ma	15	7.98

AUDIO INPUT TRANSFORMERS

G For matching 7000 to 15,000 ohm impedance single plate to push-pull grids; except* for matching 7,000 to 20,000 ohm impedance single plate to single grid. Maximum primary DC, 10 ma.

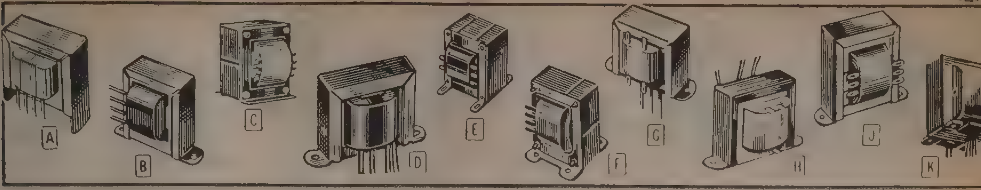
Stock No.	Type	Ratio	Size	Wt., Lbs.	EACH
64 G 079	A-52-C	1:2	1⅜x2⅜x1⅜″	¾	2.25
64 G 090	A53*	1:3	1⅜x2⅜x1½″	¾	1.98
64 G 081	A-53-C	1:3	1⅜x2⅜x1⅜″	¾	2.36
64 G 082	A-63-C	1:3	1⅝x2⅞x1½″	¾	2.70

SELENIUM RECTIFIER TRANSFORMERS

H Use with CT or bridge rectifier circuits. Have tapped primary and additional winding for wide output voltage range. For 117 v., 50-60 cycle AC. With wiring chart.

Stock No.	Mfr's Type	Range of AC Volts	Max. DC Output Load		Size	Wt., Lbs.	EACH
			Resistive	Capacitive			
64 G 372	RT-201	11.7 to 29.4 11.1 to 28.5	11.2v @ 2.0A 23.0v @ 1.25A	13.8v @ 2.0A 30.0v @ 1.25A	3⅛x2½x3⅜″	2½	4.98
64 G 373	RT-202	12.0 to 29.8 12.0 to 29.8	11.1v @ 4.0A 24.3v @ 2.0A	14.7v @ 4.0A 33.0v @ 2.0A	3⅝x2⅞x3½″	4	6.70
64 G 374	RT-204	11.7 to 29.2 11.6 to 29.2	12.0v @ 8.0A 24.0v @ 4.0A	14.5v @ 8.0A 32.4v @ 4.0A	4x3¼x4⅛″	6¼	8.75
64 G 375	RT-206	12.0 to 29.7 12.0 to 29.7	11.5v @ 12.0A 24.0v @ 6.0A	14.4v @ 12.0A 32.0v @ 6.0A	4¼x3 7/16x5⅛″	9¼	11.87
64 G 376	RT-208	12.1 to 29.2 12.1 to 29.2	11.4v @ 15.0A 23.7v @ 8.0A	14.8v @ 15.0A 32 5v @ 8.0A	4¾x3¾x5¼″	12½	14.96
64 GU 378	RT-2012	12.2 to 29.0 12.2 to 29.0	11.4v @ 22.5A 23.5v @ 12.0A	14.3v @ 22.5A 33.0v @ 12.0A	5⅜x4⅜x6⅜″	21	22.07
61 G 136	P8194	....	14.0v @ 2.5A 28.0v @ 5.2A	34.0v @ 2.0A 38.0v @ 3.5A	4½x3¾x4″	10	14.36

Stancor Audio and Transistor Transformers



TRANSISTOR TRANSFORMERS

*Maximum primary DC current (for each half of primary if center-tapped). §Type TA-14 has two secondaries. 16 ohms series. 4 ohms parallel. Types TA-16 and TA-17 are for 30-watt mobile modulator. Types TA-18 to TA-38 are .150-watt miniature audio; TA-39 to TA-47, TA-52 and TA-55, .300-watt. Type TA-61 is for Motorola hi-fi stereo amp. #Similar to Fig. F on next page. **Similar to Fig. F on next page but with threaded mtg. studs. Av. wt., 3 oz. except: TA-13, 1½ lbs.; TA-14, 6¼ lbs.; TA-17, 3 lbs.; TA-57 and 60, 1 lb.; TA-61 and 62, 12 oz. TP-1, 2¾ lbs.; P-8196, 4½ lbs.

INPUT TRANSFORMERS

Stock No.	Mfr's Type	Fig.	Pri. Imp. Ohms	Sec. Imp. Ohms	MA*	Max. Watts	Size H x W x D	EACH
63 G 952	TA-1	D	600 CT	10	20	.05	1³⁄₁₆x1⁹⁄₁₆x1⁵⁄₁₆″	1.89
63 G 860	TA-18	A	30 CT	50K	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 889	TA-47	A	1K CT	200K CT	.....	.300	1³⁄₁₆x1⅝x¾″	3.65
61 G 129	TA-55	D	500K	200 CT	.....	.300	¾x1⅝x1³⁄₁₆″	4.16

OUTPUT TRANSFORMERS

Stock No.	Mfr's Type	Fig.	Pri. Imp. Ohms	Sec. Imp. Ohms	MA*	Max. Watts	Size H x W x D	EACH
63 G 960	TA-9	D	1000	4/8/16	10	.2	¾x1⁹⁄₁₆x¾″	4.87
63 G 961	TA-10	D	2K CT	4/8/16	.....	.2	¾x1⁹⁄₁₆x¾″	5.33
63 G 962	TA-11	D	48 CT	8/16	275	5	2x3⁵⁄₁₆x1¾″	3.65
63 G 963	TA-12	D	20 CT	8	500	10	1⅜x1⁷⁄₁₆x1½″	1.89
63 G 965	TA-14§	#	24 CT	16/4CT	200	10	4¼x4⅜x3⁹⁄₁₆″	10.07
63 G 862	TA-20	A	350 CT	4/12	....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 863	TA-21	A	500 CT	4/8/16	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 865	TA-23	A	600 CT	4/8/16	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 867	TA-25	A	825 CT	4/8/16	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 868	TA-26	A	1250	4/12	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 875	TA-33	A	10K CT	4/8/16	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 879	TA-37	A	400 CT	11	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 881	TA-39	A	100 CT	4/8/16	.....	.300	1³⁄₁₆x1⅝x¾″	3.65
63 G 883	TA-41	A	400 CT	4/8/16	.....	.300	1³⁄₁₆x1⅝x¾″	3.65
63 G 884	TA-42	A	500 CT	4/8/16	.....	.300	1³⁄₁₆x1⅝x¾″	3.65
63 G 885	TA-43	A	700 CT	4/8/16	.....	.300	1³⁄₁₆x1⅝x¾″	3.65
63 G 886	TA-44	A	2500	4/8/16	.....	.300	1³⁄₁₆x1⅝x¾″	3.65
63 G 887	TA-45	A	3000	4/8/16	.....	.300	1³⁄₁₆x1⅝x¾″	3.65
63 G 479	TA-56	J	48 CT	3.2/8/16	.....	10	2⁵⁄₁₆x2⅞x2″	3.04
61 G 130	TA-57	B	100 CT	3.2/8/16	500	10	2⁵⁄₁₆x2⅞x2″	3.00
61 G 132	TA-60	**	125 CT	8	50	1.5	1¾x1¼x1¼″	4 11
61 G 640	TA-62	D	25	4	400	4	1⅜x2¹³⁄₁₆x1½″	1.87

INTERSTAGE TRANSFORMERS

Stock No.	Mfr's Type	Fig.	Pri. Imp. Ohms	Sec. Imp. Ohms	MA*	Max. Watts	Size H x W x D	EACH
63 G 953	TA-2	D	100 CT	10 CT	100	.25	1¹⁄₁₆x2⅛x1⅜″	1.89
63 G 954	TA-3	D	100	1K CT	100	.25	1⅜x2⁷⁄₁₆x1⅜″	1.89
63 G 955	TA-4	D	500 CT	5K CT	12	.03	1⅜x2⁷⁄₁₆x1⅜″	2.49
63 G 861	TA-19	A	100 CT	10 CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 864	TA-22	A	500 CT	50	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 866	TA-24	A	500 CT	50K	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 869	TA-27	A	1200	20K CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 870	TA-28	A	1500	500 CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 872	TA-30	A	5K CT	7500 CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 873	TA-31	A	5K CT	10K CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 874	TA-32	A	5K CT	80K CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 876	TA-34	A	10K	200 CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 877	TA-35	A	10K	2K CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 878	TA-36	A	10K	3K CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 880	TA-38	A	500 CT	150 CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	3.65
63 G 888	TA-46	A	100K	1500 CT	.....	.300	1³⁄₁₆x1⅝x¾″	3.65
63 G 477	TA-52	D	500 CT	500 CT	.....	.300	1³⁄₁₆x1⅝x¾″	3.00
61 G 128	TA-53	A	5000 CT	45000	.....	.150	1¹⁄₁₆x1³⁄₁₆x⅝″	3.16
61 G 299	TA-54	A	20000	800 CT	.....	.150	2¹⁄₃₂x1³⁄₁₆x⅝″	2.89

DRIVER TRANSFORMERS

63 G 956	TA-5	D	1000	200 CT	10	.05	⅝x1¼x½″	4.71
63 G 957	TA-6	D	2000	200 CT	5	.05	⅝x1¼x½″	5.33
63 G 958	TA-7	D	100	100 CT	100	.5	1⅝x2x1⅜″	1.89
63 G 964	TA-13	#	200 CT	400 CT	10	.6	3x2¹¹⁄₁₆x2⁵⁄₃₂″	4.02
63 G 858	TA-16	D	20	36 CT	400	1	1³⁄₁₆x2¹⁄₁₆x1⅛″	1.73
61 G 131	TA-58	D	100	200 CT	200	.5	1¼x2x1¼″	2.13
63 G 478	TA-59	D	500 CT	200 CT	....	.5	1¼x2x1¼″	2.36
61 G 641	TA-61	B	1:1 ratio ea. Pri. to 2-Secs.				1¹⁵⁄₁₆x2⅜x1½″	2.60

MODULATION TRANSFORMER

63 G 859	TA-17	J	8CT	7.5K/5K	120	35	3⅛x3x2½″	6.49

K TYPE P-8195 TRANSISTOR INVERTER TRANSFORMER

61 G 182. For 280 v. DC @ 150 ma fixed (117 v. 60 cycle AC), or mobile (12 v. DC) transistorized power supply. Schematic included. Also has secondary for 12.6 v. AC @ 3 amps when used with 117 v. primary only. Mtg. ctrs. 2½x2¹¹⁄₁₆″. Height, 3⅞″. 6 lbs. 13.60

FILAMENT TRANSFORMERS

Single-secondary filament transformers. All are center-tapped except Type P6469 and Type P8190. Type P8191 designed for filament isolation, has 6.3 v. primary and secondary. All others, 117 v., 60 cycle.

Stock No.	Mfr's Type	Fig.	Volts	Amps	Insul.	Mtg. Ctrs.	Wt., Lbs.	EACH
64 G 141	P6133	B	2.5	5.0	7500	2¹³⁄₁₆″	1½	3.73
64 G 301	P3060	E	2.5	10.0	10KV	2¼x1⅞″	2½	6.60
64 G 262	P6467	D	5.0	3.0	2500	2¹³⁄₁₆″	1½	3.15
64 G 255	P3062	E	5.0	6.0	2500	2x2″	2¼	5.04
64 G 199	P6433	E	5 CT	15	2500	2x2¼″	3	7.02
61 G 234	P6432	E	5 CT	21	2500	2¼x2½″	4½	8.18
64 G 888	P6492	J	5.0	30.0	2500	3x2¾″	7½	10.73
61 G 134	P6464	J	6.3CT	10	2000	2x2¼″	3½	6.80
64 G 887	P6465	D	6.3	.6	1500	2″	½	1.95
64 G 308	P6134	D	6.3	1.2	3000	2⅜″	1	2.05
64 G 584	P8190	D	6.3	1.2	5000	2¹³⁄₁₆″	1	2.71
64 G 585	P8191	D	6.3	1.2	5000	2¹³⁄₁₆″	1	2.91
61 G 230	P6428	J	6.3	1.75	2500	2x1¹⁵⁄₁₆″	3	6.09
64 G 263	P6466	D	6.3	3.0	2500	2¹³⁄₁₆″	1½	3.33
61 G 232	P6430	J	6.3CT	3.0	2500	2x1¹³⁄₁₆″	2¾	5.40
64 G 309	P5014	E	6.3	3.0	2500	2x1¾″	2	4.58
64 G 256	P4019	J	6.3	4.0	2500	2x1¹¹⁄₁₆″	2½	4.95
64 G 264	P4089	J	6.3	6.0	2500	2¼x2″	3½	6.49
64 G 312	P3064	E	6.3	6.0	2500	2x2″	2½	5.31
61 G 233	P6431	J	6.3CT	6.0	2500	2½x2³⁄₁₆″	4¾	8.18
64 G 313	P6308	E	6.3	10.0	2500	2¼x2³⁄₁₆″	3½	6.45
64 G 265	P6309	E	6.3	20.0	2500	3x2⅜″	6¾	10.02
64 G 314	P5015	E	7.5	4.0	2500	2x2⅛″	3	4.65
64 G 257	P5016	E	10.0	4.0	2500	2¼x2⅛″	3¼	5.95
64 G 318	P6139	F	10.0	8.0	2500	2½x2⅜″	5	7.36
64 G 258	P4097	J	10.0	8.0	2500	2½x2⁷⁄₁₆″	5¼	7.67
64 G 142	P8130	D	12.6	2.0	1500	2¹³⁄₁₆″	1½	3.36
64 G 143	P6469	D	25.2	1.0	1500	2¹³⁄₁₆″	1½	3.20
61 G 200	P6456	D	6.3T	6.0	2000	3⅛″	2	3.75

LINE-TO-VOICE-COIL TRANSFORMERS

For matching speakers to lines. Type A3837 is autotransformer for matching parallel speakers to line. Transformers for constant voltage lines are ‡140 volt; *70.7 volt; and §25 volt. †Power taps in watts when connected to appropriate line.

Stock No.	Mfr's Type	Fig.	Primary Imp.	Secondary Imp.	Watts	Mtg. Ctrs.	Wt., Lbs.	EACH
64 G 087	A3818	J	1.5K/1K/500	15/8/4	25	3⅛″	2½	4.92
64 G 088	A3837	J	500/1K 1.5K/2K 2.5K/3K	.06 to 8, .12 to 16 .18 to 24, .24 to 32 .30 to 40, .36 to 48	15	2⅜″	1¾	4.01
64 G 098	A3883	J	500	15/8/6/4	25	2⅜″	1¼	3.45
64 G 085	A7947	G	2K/1.5K/1K/500	6-8/3.2	8	2⅜″	¾	2.93
64 G 086	A7949	J	2K/1.5K/1K/500	6-8/3.2	12	2⅜″	1¼	3.44
61 G 296	A8080*	G	5/4/3/2/1†	8/16	5	2″	½	2.91
61 G 297	A8081*	J	10/9/8/7/6†	8/16	10	2″	¾	3.16
61 G 298	A8082*	J	15/14/13/12/11†	8/16	15	2⅜″	1¼	3.66
61 G 202	A8096§	J	8/4/2/1/.05†	4/8/16	8	2″	¾	3.60
61 G 203	A8097§	H	16/8/4/2/1/.5†	4/8/16	16	2¹³⁄₁₆	1¾	4.32
64 G 089	A8101	G	500	3.2/6-8	5	2″	½	1.77
64 G 091	A8102*	J	8/4/2/1/5†	4/8/16	8	2″	¾	3.50
64 G 092	A8103*	J	16/8/4/2/1/.5†	4/8/16	16	2¹³⁄₁₆	1½	4.95
64 G 099	A8104	J	3K/2K/1.5K/1K/500	16/8/4	10	2⅜″	1½	4.07
64 G 889	A8105*	G	5/2.5/1.25/.62/.31†	4/8	5	2″	½	2.84
64 G 890	A8106‡	J	8/4/2/1†	4/8/16	8	2″	¾	3.00

POWER TRANSFORMERS—117-V. AC PRIMARY

P-8196 for Motorola hi-fi stereo amplifier. Av. shpg. wt., 2¾ lbs.

Stock No.	Type	Fig.	Description	Size	EACH
63 G 966	TP-1	K	Sec. 13 or 18 v. AC, 900 ma. DC.	3x3x2½″	4.87
61 G 642	P-8196	K	Sec: 80 VCT; 1.2 A. @ 45 v. DC	3½x2⅞x3½″	6.55

CONTROL TRANSFORMERS

Fig. J, except *Fig. C. 2-section secondary for series or parallel operation. Pri. operation from either 115 or 230 v., 50-60 cycles.

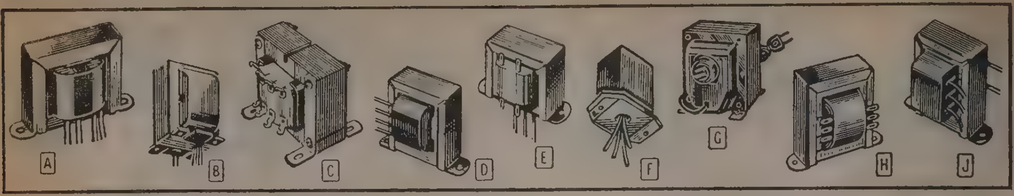
Stock No.	Mfr's Type	Secondary		Size	Mtg. Ctrs.	Wt., Lbs.	EACH
		Parallel	Series				
63 G 276	P6375	6V@2A	12V@1A	2⅜x2⅞x1¾″	2⅜″	1	3.42
63 G 277	P6376	6V@4A	12V@2A	3⅝x3⅜x2¼″	2¹³⁄₁₆″	1½	3.71
63 G 278	P6377	12V@4A	24V@2A	3⅛x3⅝x2⅜″	3⅛″	2½	4.69
63 G 279	P6378*	12V@8A	24V@4A	3⅜x2⅞x3″	2¼x2¼″	4¼	7.58
63 G 280	P6379*	12V@16A	24V@8A	4⅛x3½x3½″	3x2¾″	8	13.07

DRIVER TRANSFORMERS

D Single plate (10,000 ohms primary impedance) to push-pull grids. For use between first audio and push-pull output stage. ⅝x⅝″ core except for A-4752 which has ¾x¾″ core.

Stock No.	Mfr's Type	Pri./½ Sec. Ratio	Max. Pri. DC	Size	Wt., Lbs.	EACH
64 G 076	A-4713	2:1	30 ma	1⅝x2⅞x1⅛″	1	2.12
64 G 038	A-4723	3:1	30 ma	1⅝x2⅞x1½″	1	2.15
64 G 039	A-4752	2/1.5/1:1	40 ma	2x3¼x1¾″	1½	2.93

STANCOR Replacement Transformers and Reactors



TV FILTER REACTORS

Smoothing chokes for DC power supplies. Inductance values rated at 10 v. RMS, 60 cycles. Types C-2685 through C-2689 are high-current filter chokes, inductance values at 1 v. rms. ‡Fig. C with leads. All are rated 1500 v. rms. except *2000, †1300, §2500.

Stock No.	Mfr's Type	Fig.	Inductance Hys.	Inductance Ma.	Res. Ohms	Size	Wt. Lbs.	EACH
64 G 057	C1001†	A	10.5	110	225	2⅝x4x2¼"	2½	3.50
64 G 056	C1002	A	15.0	75	400	2¼x3¾x2¼"	1½	2.84
64 G 055	C1003	A	16.0	50	580	2x3¼x1¾"	1½	2.13
64 G 065	C1080	A	3.5	50	200	1⅝x2⅞x1½"	¾	1.65
64 G 075	C1279	A	8.5	50	400	1⅝x2⅞x1½"	¾	1.65
64 G 063	C1410†	B	4.0	175	100	3³⁄₁₆x2⅝x2⅝"	2½	4.45
64 G 466	C1411†	B	4.5	200	80	3⅝x3x3⅛"	3½	5.56
64 G 455	C1412†	B	4.0	250	60	3⅝x3x3½"	4½	6.84
64 G 068	C1420	B	16.0	80	360	3³⁄₁₆x2⅝x2⅝"	2½	4.55
64 G 465	C1421†	B	7.0	140	165	3³⁄₁₆x2⅝x2⅝"	2½	4.55
64 G 058	C1515	A	20.0	15	900	1⅝x2⅞x1½"	1	2.10
64 G 050	C1706	A	4.5	50	300	1⅜x2⅜x1⅜"	¾	1.25
64 G 051	C1707	A	7.0	50	550	1⅜x2⅜x1⅜"	¾	1.38
64 G 052	C1708	A	13.0	65	500	2x3¼x1¾"	1	2.36
64 G 053	C1709	A	8.0	85	250	2x3¼x2"	1¾	2.36
64 G 054	C1710	A	7.0	150	200	2⅝x4x2¼"	2¼	3.53
64 G 059	C2303*	A	2.5	130	100	2x3¼x1¾"	1	2.20
64 G 060	C2304	A	2.3	150	60	2x3¼x1¾"	1	2.20
64 G 064	C2308†	B	8.0	300	80	4¾x4x3⅞"	7¾	10.84
64 G 457	C2309*	A	3.0	150	90	2¼x3¾x2¼"	1¾	2.53
64 G 505	C2325	A	2.0	200	60	3¾x2¼x2¼"	2	2.80
64 G 520	C2326	A	1.0	300	43	3¾x2¼x2¼"	1¾	2.85
64 G 073	C2327	A	1.5	200	85	1⅝x2⅞x1½"	¾	1.76
64 G 458	C2328	A	.8	375	25	2½x3¾x2"	1½	3.53
64 G 459	C2334	A	2.8	300	60	2⅝x2¼x4"	2½	3.47
61 G 243	C2343	A	.75	300	32	1⅝x2⅞x1½"	¾	1.52
61 G 244	C2344§	A	1.5	10	85	1¼x2⅛x1⅛"	½	1.09
61 G 245	C2345§	A	350	5	5600	2x3¼x2	1½	3.07
61 G 246	C2346§	A	35	15	1800	1⅜x2⅜x1¼"	¾	1.72
61 G 238	C2685‡	C	.035	2A	.75	2⅜x2⅝x2¾"	2	3.49
61 G 239	C2686‡	C	.025	4A	.425	3x3⅜x2⅞"	3½	5.95
61 G 240	C2687‡	C	.01	8A	.15	3¼x3¾x3³⁄₁₆"	5½	7.82
61 G 241	C2688‡	C	.01	12.5A	.11	3½x4⅛x3¹⁄₁₆"	6	9.00
61 G 242	C2689‡	C	.005	22.5A	.03	3⅞x4½x4½"	12	13.20
61 G 139	C2704	A	9	125	250	2¼x3⅝x1⅞"	2¼	3.02
61 G 140	C2705§	B	10	200	150	3⁹⁄₁₆x3x3½"	3⁹⁄₁₆	7.11
61 G 141	C2706	B	2.6	310	50	3³⁄₁₆x2⅝x3¼"	3³⁄₁₆	5.96

FIXED-IMPEDANCE OUTPUT TRANSFORMERS

For single-ended or push-pull output stages matching to line or voice-coil. CT primaries are for push-pull. All are Fig. A except *Fig. B and †Fig. D. Type A3330 has 4.5% primary tap.

Stock No.	Mfr's Type	Primary	Sec.	Watts	Mtg. Ctrs.	Wt., Lbs.	EACH
64 G 013	A2312	14,000 CT	4	10	2⅜"	1	2.80
64 G 245	A2313	7,000	8	10	2¹³⁄₁₆"	1	2.51
64 G 033	A3304*	7, 10K CT	500/15/8/4	25	2x1¹¹⁄₁₆"	2¾	6.31
64 G 144	A3309	5,000	3-4	3	1¾"	½	1.74
64 G 297	A3311*	10K CT	500/15/8/4	25	2¼x2"	3½	6.78
64 G 296	A3327	25K	4	5	2"	½	1.80
64 G 244	A3328	4,000	3.5	3	1¾"	½	1.35
64 G 246	A3329	8,000	3.5	3	1¾"	½	1.35
64 G 299	A3330	2K	3.5	5	2"	½	1.98
64 G 243	A3332	2,000	3.2	3	1¾"	½	1.36
64 G 295	A3337†	5K	6-8	10	2⅜"	1	2.29
64 G 020	A3800*	5,000 CT	500/250/15/8/4	30	2¼x2"	4	6.75
64 G 021	A3801*	6,600 CT	500/250/15/8/4	35	2½x2³⁄₁₆"	4¾	8.58
64 G 298	A3831	10K CT	8/4/2	5	2⅜"	¾	2.65
64 G 015	A3857	25K CT	4	5	2"	½	2.36
64 G 001	A3876	2,000	4	5	2"	½	1.45
64 G 004	A3877	5,000	4	5	2"	½	1.45
64 G 006	A3878	7,000	4	5	2"	½	1.49
64 G 010	A3879	10,000	4	5	2"	½	1.45
64 G 138	A8094	4,000 CT	32/16/8	7½	3¹⁄₁₆"	1½	4.00
64 G 519	A8114	7,600	3.2	5	2"	½	1.73

MICROPHONE OR LINE-TO-GRID TRANSFORMERS

A4350 is for mike-to-line or line-to-line. A4351 is for mike or line to single grid. A4352 is for mike or line to push-pull grids. A4705 is for single-button mike to single grid. All but A4705 have dual primaries. *Center-tapped. †Same as primary impedance.

Stock No.	Type	Fig.	Pri. Ohms	Sec. Ohms	Mtg. Ctrs.	Lbs.	EA.
64 G 094	A4350	E	500*/333/200*/125/50	†	2¹³⁄₁₆"	1	4.33
64 G 097	A4351	F	500*/333/200*/125/50	89,000	2⅜x1½"	1½	4.63
64 G 093	A4352	E	500*/333/200*/125/50	89,000	2¹³⁄₁₆"	1	4.80
64 G 096	A4705	F	200/70	80,000	2"	½	2.97

ISOLATION TRANSFORMERS

Isolate transformerless (AC-DC) radio and TV sets from AC line. *Primary tapped for 105/115/125 v., 115-v. secondary with std. outlet. †Isolation testing transformer, large enough to handle almost any television or radio receiver on test. Has 115-v. primary and tapped secondary with 3 standard outlets for 105/115/125 v., and electrostatic shield grounded to core. §115-v. secondary; standard outlet. With line cord and plug.

Stock No.	Type	Fig.	Watts	Size	Lbs.	EACH
64 G 449	P-6410§	G	50	3⁹⁄₁₆x2¹⁵⁄₁₆x3⅛"	4	7.78
64 G 443	P-6160*	G	100	4¾x4x3⅞"	7	14.22
64 G 444	P-6415†	G	350	5⅜x4½x5¾"	17	23.07
64 GU 448	P-6298*	G	500	7⅝x6⅛x7⅝"	28	42.31

UNIVERSAL OUTPUT TRANSFORMERS

Replacement units for radio and television and other audio applications. Multi-tapped windings match various types of output tubes and circuits such as single-ended and push-pull plates to voice coil. All are Fig. E except *Fig. H. All secondaries match voice coil. Wt., 1½ lbs.

PLATE TO VOICE COIL

Stock No.	Mfr's Type	Primary	Watts	Size	EACH
64 G 005	A3822	7-10K	4	1⅜x2⅜x1⅜"	1.95
64 G 026	A3823	4-14K CT	8	1⅝x2⅞x1½"	3.37
64 G 242	A3824	6-10K CT	8	2x3¼x2"	3.30
64 G 002	A3825	1.5-4.5K	8	2x3¼x1⅝"	2.63
64 G 028	A3830*	3-10K CT	20	2¹¹⁄₁₆x3⁵⁄₁₆x2¼"	4.50
64 G 023	A3849	1.5-10K	10	1⅝x2⅞x1½"	3.37
64 G 024	A3850*	4-14K CT	8	2x⅜x1½"	3.32
64 G 027	A3852*	4-14K CT	18	2⁵⁄₁₆x2⅞x2"	4.07
64 G 025	A3856	4-14K CT	4	1⅜x2⅜x1⅜"	2.90
64 G 029	A3870	4-14K CT	18	2x3¼x2"	4.15
64 G 292	A3880	4-14K CT	15	2¼x3¾x2¼"	4.39

PLATE TO LINE

Stock No.	Mfr's Type	Primary	Watts	Size	EACH
64 G 294	A3250	5K; 10, 20K CT	(15ma)	2x3¼x1¾"	4.19
64 G 293	A3841*	2.5, 4, 5, 6, 7K	10	2¹¹⁄₁₆x3⁵⁄₁₆x2¼"	5.00

INTERCOM AND TRANSCEIVER TRANSFORMERS

Types A-8090 and A-8091 have solder-lug secondary connections. Type A-3817 modulation and output autoformer is especially designed for Citizens Band equipment. Type A-3833 is for mike input or plate to grid. Maximum watts: *3 w., §5 w., †8 w., ‡10 w. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Fig.	Use	Imp. Pri.	Imp. Sec.	Size (Inches)	EA.
61 G 236	A-3817‡	F	Transceiver	5000	6750, 4	1¹⁵⁄₁₆x2⅜x1½	3.00
64 G 030	A-4744	J	V.C to grid	4	25K	1⅜x2⅜x1½	2.00
64 G 489	A-8090*	E	Line to VC	45-50	3 4, 6 8	1⅜x2⅜x1½	1.77
64 G 490	A-8091†	E	Line to VC	45-50	3 4, 6 8	1⅝x2⅞x1⅝	2.10
64 G 031	A-3833§	F	Transceiver	200/5K	60K	1⅝x2⅞x1½	2.87
64 G 148	A-4749	F	Tele. Patch	10K	500	1¹⁵⁄₁₆x1¹⁷⁄₃₂x2¼	4.85

"POLY-PEDANCE" MODULATION TRANSFORMERS

A Match Class "B" modulators to Class "C" load impedances in Amateur and commerical transmitters. Multi-tapped primaries and secondaries match loads from 2000 to 20,000 ohms.

Stock No.	Mfr's Type	Max. DC Pri.	Max. DC Sec.	Watts	Size	Wt. Lbs.	EACH
64 G 478	A-3893	180	180	60	4x3¼x4⅛"	7	13.16
64 G 488	A-3894	225	225	125	4¾x4x4⅝"	10	16.58

TUBE-CHECKER FILAMENT TRANSFORMER

E **Type P-1834-3.** Multiple-secondary transformer. Pri.: 125/115/105 v., 60 cycles. Secondary output volts: 1.1/1.4/1.5/2.0/2.5/3.0/3.3/4.0/5.0/6.3/7.0/7.5/12/20/25/30/35/50/70/85/110/117. Mtg. ctrs. 3⁹⁄₁₆". Size, 2⅝x4x2½". Shpg. wt., 2½ lbs.

64 G 139 .... 9.92

TELEVISION FOCUS COILS

Precision-made focusing coils for general replacement use in many makes of television sets. Types FC-10 and FC-12 mount by means of two 8-32 machine screws. Type FC-11 mounting centers are on 2¹¹⁄₁₆" radius 120° apart.

Stock No.	Mfr's Type	DC Resis. (Ohms)	Max. DC Ma	Size	Wt. Lbs.	EACH
63 G 783	FC-10	247	200	3¹¹⁄₃₂x3¹¹⁄₃₂x1²⁹⁄₆₄"	2	6.24
63 G 784	FC-11	470	140	4¾" dia.	3½	9.20
63 G 785	FC-12	370	165	3¹¹⁄₃₂x3¹¹⁄₃₂x1²⁹⁄₆₄"	2	5.70

See Preceding Pages for More Listings of Stancor Transformers

STANCOR TV Replacement Transformers

ORIGINAL-REPLACEMENT TV HORIZONTAL OUTPUT TRANSFORMERS

Top-quality replacement flyback transformers for standard TV receivers. Every transformer faithfully duplicates the electrical and physical characteristics of the original unit. Manufacturer's own specifications are used; performance is identical in every respect. A minimum of alterations are required in the existing circuit or chassis. Constructed of high-quality materials. *For 77J1 except where 6CD6 horizontal output tube is used. Av. shpg. wt., 1 lb.

ADMIRAL

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 211	A-8133	79C30-1/-3	10.09
64 G 551	A-8134	79C30-2/-4, 79C38-1, 79D38-1	9.14
64 G 213	A-8254	79C60-1	5.70
64 G 214	A-8255	79C60-2/-3	6.62
63 G 460	HO-265	79C70-1	5.95
64 G 572	A-8135	79D41-1/-2	7.80
64 G 212	A-8253	79D48-1	7.50
63 G 459	A-8292	79D65-1	7.20
61 G 204	HO-301	79D65-2/-4	7.32
61 G 205	HO-304	79D77-2	7.95
63 G 291	HO-318	79B77, 79D77-7/-22, 79E77-7	5.42
63 G 292	HO-319	79D83-1/-2	6.67
64 G 491	HO-350	79D83-4/5/7/8/10	6.75
64 G 492	HO-351	79E77-11/14/15	6.00

CBS-COLUMBIA

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 331	A-8230	10104/07/08/10/35	7.50
64 G 332	A-8231	10136B/37/38/59	7.50
63 G 464	A-8284	12001051/91	6.37

CROSLEY

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 222	A-8241	157820	6.49
64 G 223	A-8248	154069/-1, 154 990 2/3	9.56
64 G 208	A-8263	158481-1/-2/-5	7.72

EMERSON

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 221	A-8131	738047/48/53	5.99
64 G 333	A-8232	738067/68/69/73/ 74/75/82	7.50

GENERAL ELECTRIC

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 546	A-8130*	77J1	7.32
64 G 277	A-8262	RTO-131/141/-143-3	7.05
63 G 466	A-8288	RTO-149/1	6.30
63 G 471	A-8290	RTO-166/5	6.17
63 G 470	HO-254	RTO-179/88	6.60
61 G 210	HO-299	RTO-208	7.20

HOFFMAN

Stock No.	Type	Orig. Mfr's Part No.	EA.
61 G 211	A-8137	5035	7.14
63 G 976	HO-287	5144/45/46/48/49/55	7.33

MAGNAVOX

Stock No.	Type	Orig. Mfr's Part No.	EA.
63 G 472	A-8293	360593-2, 360552-1/-2/-2A, 360577/-1	7.76
63 G 473	A-8294	360606/-1	7.20
63 G 474	A-8295	360614-1, 360623/-1	7.20
61 G 253	HO-331	320055-1/61 1/-3	7.25
61 G 254	HO-332	360580 1/604-1	6.51

MOTOROLA

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 325	A-8224	24C711265/A, 24C721290	9.30
64 G 279	A-8239	24K792753, 24K701009	7.12
64 G 327	A-8226	24K721301/C, 24K721517C	9.30
63 G 971	HO-280	24K739284	8.45
63 G 972	HO-281	24K730902/03/04	9.00
63 G 973	HO-282	24C736487, 24K738699	8.54
61 G 213	HO-293	24C736488	8.74
61 G 127	HO-336	24C739283	6.56
61 G 636	HO-341	Coil only	2.64
61 G 638	HO-343	24C744042	7.20
61 G 639	HO-344	24K748397/ 754273-Z	6.72

MUNTZ

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 281	A-8129	TO-0024	7.32
64 G 559	A-8132	TO-0031	9.00
64 G 283	A-8240	TO-0036	7.20

PHILCO

Stock No.	Type	Orig. Mfr's Part No.	EA.
63 G 438	HO-277	32-8465-2, 32-8509/-2	9.60
64 G 321	A-8220	32-8565	8.39
63 G 437	HO-276	32-8624/-1	8.64
64 G 485	HO-345	32-8855-1/-2/-5	7.20
64 G 486	HO-346	32-8830-1/2/3	6.60
64 G 487	HO-349	32-8993-3	6.00

RCA

Stock No.	Type	Orig. Mfr's Part No.	EA.
63 G 969	A-8252	225T1	6.66
63 G 441	HO-256	235T1	6.60
64 G 789	A-8235	75519, 75585, 76381	5.49
64 G 787	A-8233	76430, 76795	7.50
64 G 788	A-8234	76501	4.77
64 G 221	A-8131	74951	5.99
61 G 214	HO-289	104236, 972440-3	6.37
64 G 786	A-8244	78201, 78810	6.74
63 G 442	HO-272	972914-1, 103092	6.66

RCA (Cont'd)

Stock No.	Type	Orig. Mfr's Part No.	EA.
61 G 258	HO-320	10389 (50 94292-1)	5.78
61 G 260	HO-322	104309 (972401-3), 106533 (973908-1)	7.33

SILVERTONE

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 331	A 8230	10104/07/08/10/35	7.50
64 G 332	A-8231	10136B/37/59	7.50
63 G 969	A-8252	N24989	6.66
61 G 216	HO-274	T80 326/336	6.90
64 G 493	HO-353	80-1-3/Q, 80-3/3F, 80-4-3/F, 80-6-3/B, C80/-1-3B/F/H/S	6.60
64 G 494	HO-354	80-8-3, 9-3	6.90
64 G 495	HO-355	80-12-3	6.90
64 G 496	HO-356	80-10-3, 80-15-3	7.20
64 G 497	HO-358	80-19-3	6.90

SPARTON

Stock No.	Type	Orig. Mfr's Part No.	EA.
63 G 974	HO-284	PC-700-10/6,-12/F	7.20
61 G 264	HO-329	PC-70025, 70022	7.06
61 G 265	HO-330	PC-70036	6.03

SYLVANIA

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 328	A-8227	241-0003	5.64
63 G 443	HO-259	241-0011	6.60
61 G 258	HO-320	241-0046	5.78

WESTINGHOUSE

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 286	A-8238	V-10214-1, V-9904-2, V-10204-1	6.80
64 G 284	A-8236	V-11548-1/-2/-3/-4	7.92

ZENITH

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 G 287	A-8267	S-15911/12,16566, S-17130/40, 17233, S-17245/265/435, S-17646/767/811, S-17927, -20908	7.20
64 G 289	A-8269	S-18487/537/802	7.20
64 G 290	A-8270	S-18567/990, S-19728	6.66
63 G 444	HO-267	S-20099	7.34
63 G 447	HO-270	S-18125	6.00
63 G 448	HO-271	S-22451, S-23438	6.66
61 G 217	A-8276	S-22154	6.06

TV DEFLECTION YOKES

For 70° deflection picture tubes, except § for 53°; †90°; ‡110°. All have ferrite cores and cosine-wound windings for anti-astigmatic focusing. Most have networks and extra-long leads. Av. shpg. wt., 1⅓ lbs.

Stock No.	Type	Horizontal	Vertical	EA.
64 G 538	DY-1A§	8.3 mh, 13.5 ohms	50 mh, 66 ohms	7.69
64 G 595	DY-2A	10.3 mh, 14.5 ohms	50 my, 66 ohms	7.37
64 G 539	DY-8A	8.5 mh, 14.5 ohms	50 mh, 52.5 ohms	7.37
64 G 590	DY-9A	13.5 mh, 17.5 ohms	50 mh, 53.5 ohms	8.57
64 G 589	DY-10A	30.0 mh, 45 ohms	3.5 mh, 3.5 ohms	7.37
64 G 596	DY-11A	20 mh, 31 ohms	50 mh, 50 ohms	9.07
64 G 597	DY 12A	30 mh, 41 ohms	50 mh, 05 ohms	8.17
63 G 481	DY-13A†	12.5 mh, 15 ohms	48 mh, 52 ohms	10.38
64 G 370	DY-14A	30 mh, 45 ohms	3.5 mh, 3.5 ohms	7.74
64 G 371	DY-15A	25 mh, 35 ohms	40 mh, 50 ohms	8.04
63 G 482	DY-16A†	20 mh, 26 ohms	44 mh, 45 ohms	9.36
63 G 487	DY-21A	14.5 mh, 10 ohms	3.1 mh, 3.5 ohms	7.59
63 G 489	DY-23A†	20 mh, 27 ohms	45 mh, 43 ohms	8.70
63 G 498	DY-27A‡	17.5 mh, 35.5 ohms	12.3 mh, 13.5 ohms	10.45
61 G 281	DY-38A‡	20 mh, 38 ohms	34.4 mh, 34 ohms	8.96
61 G 282	DY-39A†	13 mh, 22 ohms	40 mh, 41 ohms	8.10
61 G 283	DY-40A‡	12 mh, 17 ohms	40 mh, 39 ohms	9.90
61 G 284	DY-41A	13.3 mh, 20 ohms	41 mh, 54 ohms	8.82
61 G 285	DY-42A‡	30.4 mh, 47.2 ohms	34 mh, 34 ohms	8.71
61 G 287	DY-44A‡	18.5 mh, 33 ohms	34 mh, 34 ohms	9.00
61 G 288	DY-45A‡	18.6 mh, 35 ohms	14.8 mh, 13.8 ohms	13.23

VERTICAL DEFLECTION OUTPUT TRANSFORMERS

All are isolation transformer types except †autoformer type and, ‡can be used either way. Av. shpg. wt., 2 lbs.

Stock No.	Mfr's Type	Fig.	Pri. Ohms	Sec. Ohms	Size	EACH
64 G 522	A-8112	F	1300	10	2x3¼x1¾″	3.00
64 G 547	A-8123†	F	1200	11	2x3¼x1¾″	2.97
64 G 557	A-8141†	F	1650	4.5	2¼x3¾x2⅛″	4.26
64 G 473	A-8148†	F	375	6.5	2x1⅞x3¼″	3.44
61 G 293	VO-109‡	E	1150	12	2x2x3¼″	5.52
63 G 116	VO-116	A	1500	5.3	2 5/16x3¾x1 13/16″	3.72
63 G 769	VO-117	A	275	4	2 5/16x3¾x2 13/16″	3.84
63 G 770	VO-118	A	350	4	2 5/16x3¾x2	3.72
63 G 771	VO-119†	A	385	8	2 5/16x3¾x1⅞″	3.48
63 G 772	VO-120†	A	235	6	2 5/16x3¾x2 1/16″	3.90

REPLACEMENT TV POWER TRANSFORMERS

TV power transformer replacements—supply plate, rectifier, filament voltages Plate windings center tapped Tinned, EIA coded leads. *Copper shielding band. §Half-wave. ‡Similar to Fig. J; #Similar to Fig. B.

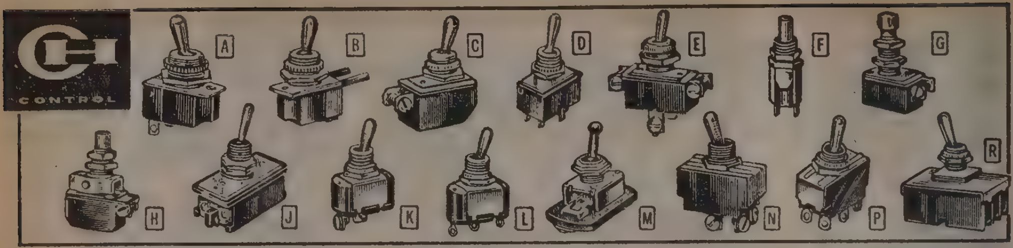
Stock No.	Mfr's Type	Plate		Overall Size	Wt., Lbs.	EACH
		Volts	DC Ma			
63 G 430	P-6315	740	275	4¼x3¾x4½″	9½	13.69
64 G 578	P-8164*	500	225	4⅛x3 7/16x4½″	7½	16.20
63 G 458	P-8167*	560	400	6x3 13/16x4¾″	13	20.13
64 G 583	P-8169*†	760	220	4⅝x3¾x4½″	10½	17.11
63 G 431	P-8170*†	760	220	4¾x4x4¾″	10½	16.64
64 G 599	P-8171*	750	225	5x3¾x4½″	10½	18.00
63 G 449	P-8172	540	200	4⅜x3⅛x3¾″	7	14.13
64 G 413	P-8331*	620	240	4½x3¾x4½″	9	14.41
64 G 415	P-8333*	590	225	4⅝x3¾x4½″	10	15.23
64 G 416	P-8334*	550	305	5⅛x3¾x4½″	13	16.80
64 G 421	P-8339	650	255	4⅞x3¾x5″	8½	14.21
64 G 422	P-8340*	710	270	5½x3¾x4½″	12	18.78
64 G 424	P-8342*	730	260	5⅜x3¾x4½″	13	17.93
63 G 428	P-8352*	580	240	4⅞x3¾x4¾″	8½	13.78
63 G 272	P-8355*‡	570	250	3 3/16x3¾x3⅛″	6½	11.83
63 G 273	P-8356*‡	540	260	3¾x3⅜x3⅛″	6½	11.17
63 G 773	P-8369	325	240	5¼x3¾x4½″	11½	14.70
63 G 774	P-8370	310	320	6¼x3¾x4½″	14	16.50
63 G 775	P-8371	320/200	200/80	5⅛x3¾x4½″	11	13.50
63 G 776	P-8372	150§	250	4⅛x3¾x4½″	9	11.70
63 G 777	P-8373	280	....	4⅜x3⅛x3¾″	8	12.90
63 G 778	P-8374	235	260	4⅞x3¾x4½″	10	12.90
63 G 779	P 8375	283	210	4¾x3 3/16x4 9/16″	8½	14.70
63 G 780	P-8376	270	270	4⅛x3½x4¼″	8½	14.28
63 G 781	P-8377	270	260	3 11/16x3 3/16x3⅞″	7	12.90
63 G 782	P-8378#	280/250	300	3 13/16x3 3/16x4⅝″	8	14.28

VERTICAL BLOCKING OSCILLATOR TRANSFORMERS

Primary to secondary ratios permit operation in conventional vertical oscillators. *Copper shielded coil and core. Av. wt., ½ lb.

Stock No.	Mfr's Type	Fig.	Pri.: Sec. Ratio	Size H W D	EACH
64 G 501	A-8111	A	1:4.2	1½x2½x1½″	1.98
64 G 558	A-8125	A	1:4.2	1 3/16x2 3/16x1¼″	1.95
64 G 471	A-8126*	....	1:1.5	1¾x1½x2″	1.98

Cutler-Hammer Switches



AC-DC TOGGLE SWITCHES

LIGHT-DUTY TYPES

Convenient one-hole-mounting switches for installation on flat surfaces. Phenolic case. 15/32" dia. threaded stem; 15/32" stem length, except *1/4". †6" wire leads, ‡screw terminals—others solder lug terminals. U.L. and C.S.A. Approved. Av. wt., 3 oz.

SPST

Stock No.	Mfr's Type	Fig.	Amperes		EACH
			125V	250V	
34 B 527	8280K14*	A	.....	3	52¢
34 B 500	8280K16	A	.....	3	52¢
34 B 784	8290K16†	B	.....	3	63¢
34 B 786	8295K8‡	C	.....	3	63¢
34 B 508	8381K8	A	6	3	60¢
34 B 789	8391K8†	B	6	3	71¢
34 B 791	8396K8‡	C	6	3	71¢

SPDT

34 B 528	8282K12*	D	3	1	66¢
34 B 501	8282K14	D	3	1	66¢

DPST

34 B 529	8360K6*	D	.....	3	.95
34 B 502	8360K7	D	.....	3	.95
34 B 792	8370K7	D	6	3	1.02
34 B 793	8372K7‡	D	6	3	1.25

DPDT

34 B 530	8363K6*	D	.....	3	1.24
34 B 503	8363K7	D	.....	3	1.09
35 B 943	8365K7‡	E	.....	3	1.44
34 B 632	8373K7	D	6	3	1.18
34 B 795	8375K7‡	E	6	3	1.51

PUSHBUTTON AC-DC TYPES

Momentary-contact. For controlling current by opening or closing of a door—i.e., operate lights in refrigerators, closets, etc. Have solder lugs, except *screw-type. Black button, except †1/4" metal button. §Push-push type. U.L. Approved. Av. wt., 3 oz.

.75 Amp @ 125 V.—1 Amp @ 250 V.

Stock No.	Mfr's Type	Fig.	Action	Lgth.	EA.
35 B 987	8411K3	F	SPST n.o.	15/32"	40¢
34 B 548	8411K4	F	SPST n.o.	15/32"	36¢
34 B 631	8411K6	F	SPST n.o.	1/4"	36¢
35 B 988	8411K7	F	SPST n.c.	15/32"	31¢
34 B 547	8411K8	F	SPST n.c.	15/32"	26¢

3 Amps @ 125 V.—1 Amp @ 250 V.

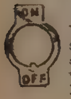
34 B 549	8440K2	F	SPST n.o.	15/32"	74¢
34 B 541	8440K3	F	SPST n.o.	15/32"	84¢

6 Amps @ 125 V.—3 Amps @ 250 V.

34 B 515	7190K1	H	SPST n.o.	15/32"	.96
34 B 691	7196K1	H	SPST n.o.	1/2"	1.07
34 B 518	7199K2	H	DPDT	15/32"	1.74
34 B 519	7208K4	G	SPST	11/16"	.82
33 B 828	8442K4†		SPST n.o.	11/32"	.80

15 Amps @ 125 V.—10 Amps @ 250 V.

33 B 829	8444K4†	...	SPST n.o.	11/32"	.86
35 B 538	8448K2	...	DPST n.o.	11/32"	1.24



ON-OFF PLATE

Type 827-228F3. Designed to fit slot in threaded stem of toggle switches. Mounts vertically. Shpg. wt. for 10, 10 oz.

35 B 671. . . . . 4¢

LIGHT-DUTY TYPES—PLASTIC

Rugged, all-plastic construction for resistance to moisture. Have maximum insulation for added safety. Fast operating. Solder-lug terminals; 11/32" stem length. U.L. and C.S.A. Approved. Av. shpg. wt., 3 oz.

SPST

Stock No.	Mfr's Type	Fig.	Amperes		EACH
			125V	250V	
35 B 663	8280K20	A	....	3	52¢
35 B 664	8281K16	A	6	3	60¢

SPDT

35 B 665	8282K18	D	3	1	66¢

DPST

35 B 666	8360K12	D	......	3	.95

DPDT

35 B 667	8370K12	D	6	3	1.02

HEAVY-DUTY TYPES

J For control of moderate horsepower motors, etc. Have screw terminals; 15/32" threaded stem and length. U.L. Approved except 8825K5 (Fig. P), which is JAN S-23; *rated 20 amps @ 28 v. DC. 3 oz.

DPST

Stock No.	Mfr's Type	Amperes		EACH
		125V	250V	
34 B 545	7320K3	16	8	1.00
34 B 516	7360K8	15	10	1.74
34 B 517	7402K4	1½ hp	20	2.47

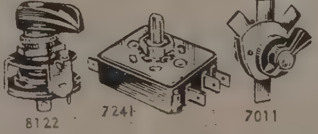
SPST

34 B 520	7321K3	16	8	1.00
34 B 714	7361K5	15	10	1.74

DPDT

35 B 669	8680K2	......	5	3.17
34 B 715	8690K2	15	10	3.84
34 B 555	8825K5	10	*20	1.27

ROTARY AC-DC AND AC SWITCHES



For fans, air conditioners, etc. Types 7011K1 and 7012K4 are AC-DC; have screw terminals; 3/8" stem. Types 8122K4 and 8123K4 are for AC; have solder-lug terminals; 3/8" stem. 7241K2 is for AC; has "quick connect" 1/4" terminals; 5/16" stem length. U.L./C.S.A. Approved. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Action	Amperes		EA.
			125V	250V	
35 B 658	7011K1	2 on, 1 off	5	2	1.05
35 B 659	7012K4	3 on, 1 off	5	2	1.10
35 B 660	8122K4	2 on, 1 off	3	.....	.45
35 B 661	8123K4	3 on, 1 off	3	.....	.48
35 B 662	7241K2	DPDT	1 hp	15	1.32

AC TOGGLE SWITCHES

LIGHT-DUTY TYPES

Slow make and break switches rated at 6 amps @ 125 volts and 3 amps @ 250 volts, except Type 7140K6, 3 amps @ 125 volts. *Center-off positions. Have threaded stem diameter of 15/32"; stem length, 15/32", except †11/32". Solder terminals, except ‡screw terminals. U.L. Approved. Av. wt., 3 oz.

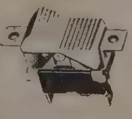
Stock No.	Mfr's Type	Fig.	Action	EACH
34 B 640	7580K4‡	K	SPST	52¢
34 B 641	7580K6	K	SPST	45¢
34 B 522	7140K6†‡	M	SPDT	50¢
34 B 642	7581K4*‡	L	SPDT	60¢
34 B 643	7581K6*	L	SPDT	49¢
34 B 644	7582K4‡	L	SPDT	60¢
34 B 645	7582K6	L	SPDT	49¢
34 B 646	7590K4‡	N	DPST	81¢
34 B 647	7590K6	N	DPST	66¢
34 B 648	7591K4*‡	P	DPDT	96¢
34 B 649	7591K6*	P	DPDT	73¢
34 B 689	7592K4‡	P	DPDT	96¢
34 B 690	7592K6	P	DPDT	73¢

STANDARD-DUTY TYPES

Slow make, slow break switches. Rated 10 amps @ 250 volts AC and 15 amps @ 125 volts AC. *Center-off. All have 15/32" dia. threaded stem, 15/32" long. †Screw terminals; ‡solder terminals. U.L. Approved. Wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	EACH
34 B 591	7500K14†	K	SPST	.60
34 B 534	7501K13‡	K	SPST	.52
34 B 592	7502K13*†	L	SPDT	.71
34 B 796	7503K13*‡	L	SPDT	.60
34 B 593	7504K4†	L	SPDT	.71
34 B 536	7505K4‡	L	SPDT	.60
34 B 594	7560K5†	N	DPST	.96
34 B 537	7561K4‡	N	DPST	.81
34 B 596	7562K4*†	P	DPDT	1.18
34 B 539	7563K4*‡	P	DPDT	.96
34 B 595	7564K6†	P	DPDT	1.18
34 B 538	7565K5‡	P	DPDT	.96
34 B 543	7611K2‡	R	3PST	1.66
34 B 523	7613K2*‡	R	3PDT	2.04
34 B 798	7615K2‡	R	3PDT	2.04

"ROCKETTE" APPLIANCE SWITCHES



Made of molded white nylon. Only 1 7/8x2 21/32x1 17/32", including flanges and terminals. Have "quick-connect faston" terminals, except *screw terminals. Av. shpg. wt., 4 oz.

6 Amps @ 125 V.—3 Amps @ 250 V.

Stock No.	Type	Action	EACH
35 B 700	8134K6	SPST	52¢
35 B 702	8134K3	SPDT	55¢
35 B 707	8132K6	DPST	76¢
35 B 709	8132K3	DPDT	83¢

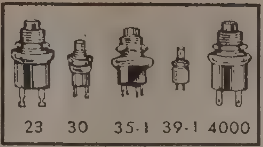
15 Amps @ 125 V.—10 Amps @ 250 V.

35 B 699	8144K7	SPST	.59
35 B 339	8144K8*	SPST	.66
35 B 704	8144K4	SPDT	.66
35 B 718	8142K7	DPST	.91
35 B 540	8142K8*	DPST	1.04
35 B 712	8142K4	DPDT	.90

Rotary, Pushbutton, Slide, Lock and Knife Switches

GRAYHILL MINIATURE SWITCHES

PUSHBUTTON SWITCHES



Rugged, momentary contact, pushbutton switches with solder-lug type terminals. Normally open types (indicated by n.o. in table) have red buttons. Normally closed types (indicated by n.c. in table) have black buttons.

SERIES 23

Miniature, over 500,000 operations. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
34 B 970	23-1	SPST n.o.	¼	1 3/64x½″	21/32″	85¢

SERIES 30

Subminiature, over 1 million operations. Wt., 2 oz.

Stock No.	Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
34 B 967	30-1	SPST n.o.	1	63/64x⅜″	17/64″	95¢
34 B 966	30-2	SPST n.c.	1	63/64x⅜″	17/64″	95¢

SERIES 35

Miniature, over 100,000 operations. Wt., 3 oz.

Stock No.	Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
34 B 964	35-1	DPST n.o.	½	1 17/64x51/64″	31/64″	1.20

SERIES 39

Ultra-miniature, over 1 million operations. Wt., 2 oz.

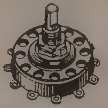
Stock No.	Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
34 B 968	39-1	SPST n.o.	½	39/64x¼″	11/64″	1.00

SERIES 4000

Silent-Action, over 100,000 operations. Wt., 3 oz.

Stock No.	Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
34 B 870	4001	SPST n.o.	1	1 17/32x51/64″	31/64″	70¢
34 B 871	4002	SPST n.c.	1	1 17/32x51/64″	31/64″	70¢

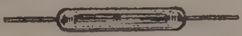
SERIES 19 POWER TAP SWITCHES



Single-pole, single-deck switches with a rating of 15 amps at 125 volts, resistive. 30° indexing. All have faston terminals. .125″ dia. accommodates heavier gauge wire. U.L. Approved. Life in excess of 50,000 cycles. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Positions	EACH	Stock No.	Mfr's Type	Positions	EACH
36 B 339	19101-2UL	2	2.80	36 B 344	19101-7UL	7	3.30
36 B 340	19101-3UL	3	2.90	36 B 345	19101-8UL	8	3.40
36 B 341	19101-4UL	4	3.00	36 B 346	19101-9UL	9	3.50
36 B 342	19101-5UL	5	3.10	36 B 347	19101-10UL	10	3.60
36 B 343	19101-6UL	6	3.20	36 B 348	19101-11UL	11	3.70

G.E. DRY-REED SWITCHES



Ideal for use in electro-magnetic relays, position indicators, etc. Contain a pair of magnetic, overlapping, contact bearing cantilever reeds, hermetically sealed in a glass tube. All are normally open. Shock and vibration resistant. Rated for minimum of 20 million operations. 500 volt breakdown @ 60 cycles rms. Min. insulation resistance, 500,000 megohms. —65° to +150°C. Resonant frequency, 925 cps. Maximum length, less leads, 2.10″; with leads, 3.21″; max. dia., 0.215″. Wt., 2 oz.

34 B 978. Type 2DR15. 15 volt amps. .... 70¢

34 B 977. Type 2DR50. 50 volt amps. 1.25

EAGLE KNIFE SWITCHES

Rugged, low-cost knife switches for heavy duty applications in power circuits. For motors, transmitters, mixing machines, or stage lighting. Provide smooth, easy action. All units rated 25 amps, 125 v. AC. Have screw terminals and bakelite base except Type 617, porcelain. Av. wt., 5 oz.

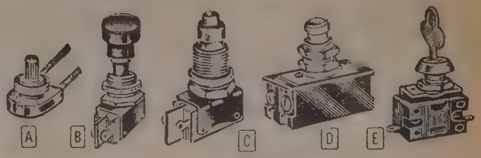
Stock No.	Mfr's Type	Action	Size	Each
34 B 884	612	SPST	1⅝x1″	19¢
34 B 886	613	SPDT	2⅝x1″	22¢
34 B 887	614	DPST	1¾x1½″	32¢
34 B 888	615	DPDT	2⅝x1⅝″	36¢
34 B 889	617	SPST	3 1/16x1⅛″	24¢

EAGLE FLUSH-MOUNT PUSHBUTTON SWITCH

Type 188. Momentary contact. 6-leaf spider secures switch in ⅝″ hole. Ideal for signaling bells, lights, etc. ½″ shank depth. Screw terminals. Contacts are SPST, normally open. Pearl button. Shpg. wt., 2 oz.

34 B 890. .... 34¢

ARROW-HART & HEGEMAN SWITCHES



PUSHBUTTON SWITCHES

Momentary-contact types, except *push-on push-off. AC-DC, except †AC only. Have 15/32″ diameter shanks; 9/16″ long, except Type 80630, 7/16″ long. Have solder lug terminals except §screw-type. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Button Color	Amps	Volts	EACH
34 B 159	3391-GL†	B	SPST n.o.	Black	1	125	.74
34 B 152	80630§	D	DPST–n.o.	......	16	125	1.49
34 B 160	86710	C	SPST*	......	3	250	.94
34 B 161	86710-C	B	SPST*	Red	3	250	1.12
34 B 162	86710-C	B	SPST*	Black	3	250	1.12

A TYPE 41047 ROTARY SWITCH

Designed for replacement applications in lamps and other medium current AC-DC appliances. SPST action. Rated 3 amps at 125 v.; 1 amp at 250 v. Has 6″ leads for easy installation. ⅜″ diameter, with 5/16″ shank. Shpg. wt., 2 oz.

34 B 165 .... 45¢

LOCK SWITCHES

E **Type 81715-L.** For use on power tools, appliances, etc. SPST contacts, rated 3 amps @ 250 volts; 6 amps @ 125 volts. Sleeve diameter, 15/32″. Fits panels to 9/32″ thick. 1¾x2 7/32x2 9/32″. Switch must be open to remove key. Shpg. wt., 2 oz.

34 B 156. .... 1.63

34 B 128. Extra Key. For above. Wt., 2 oz. .... 16¢

E **Type 81715-LE.** Same as 81715-L switch above, but key is removable in open or closed position.

34 B 158. .... 1.63

SPST "ON-OFF" SLIDE SWITCH

F **Type 81569.** Rated 3 amps at 250 volts; 6 amps at 125 volts. Has screw-type terminals. Takes 1⅜x9/16″ mtg. hole. Plate is 2 3/16x¾″. U.L. Approved. Shpg. wt., 2 oz.

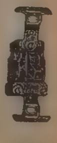
34 B 153. .... 86¢

CONTINENTAL-WIRT ECONOMY SLIDE SWITCHES

AC-DC switches for transmitters, receivers, instruments, etc. Have cadmium-plated steel housing, except *nickel-finished. Solder-lug terminals. 35/64x1 13/32″, except 81574, 1⅜x1 7/32″; G126, 1x1 3/32″. U.L. Approved. Av. wt., 3 oz.

Stock No.	Mfr's Type	Action	Amps 125 V	Each
35 B 034	G124	SPDT	.05	13¢
34 B 492	G725	DPST	0.5	17¢
36 B 148	G726	DPDT	0.5	19¢
34 B 424	G126	DPDT	0.5	33¢
35 B 035	G128	DP3P	.05	19¢
35 B 015	G723	SPST	.75	11¢
35 B 017	G724	SPDT	.75	11¢
35 B 023	G323	SPST	3.0	12¢
35 B 025	G324	SPDT	3.0	12¢
35 B 920	G325	DPST	3.0	22¢
35 B 921	G326	DPDT	3.0	22¢
35 B 922	G369	3PDT	3.0	38¢
35 B 036	G342	4PDT	3.0	32¢
33 B 853	81574*	SPST	3.0	24¢
35 B 026	G623	SPST	6.0	16¢
35 B 027	G624	SPDT	6.0	16¢
35 B 033	G625	DPST	6.0	22¢
35 B 084	G626	DPDT	6.0	23¢

EDCO WALL SWITCHES



Delayed-Action Switch. For garages, stairwells, etc. Light stays on 60 seconds after switched off. Fits std. switch box. 10 amps, 125 VAC. U.L. Approved. 5 oz.

35 B 526 .... 2.17

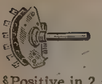
2-Brightness Switch. Full-on, dim, off. Dims lamps to 30% of normal. Fits standard box. For incandescent bulbs. 10 amps, 125 VAC. U.L. Approved. Wt., 6 oz.

35 B 523 .... 2.89

Centralab and Mallory Switches

CENTRALAB ROTARY AND LEVER SWITCHES

UNIVERSAL AND INTERCOM SWITCHES



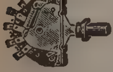
Phenolic-insulated rotaries. Cadmium-plated. Breakdown 1000 v. AC. Rated 2.75 amps at 15 v. DC, 230 ma at 115 v. AC. Non-shorting; 30° indexing. Shaft, 2¼x¼" dia. Bushing, ⅜"-32 thread ⅜" long. *1" or †¾" behind panel. §Positive in 2 pos., spring return in 3rd. With knob. 4 oz.

Stock No.	Type	Description	EACH
34 B 085	1450†	4PDT	1.65
34 B 087	1451†	4PDT, spring-return	1.98
34 B 054	1488*	6P, 3 pos., spring-return	3.60
34 B 055	1489*§	6P, 3 pos.	3.60

Intercom and Radio Switches. Phenolic, cadmium-plated switches. Same ratings and shafts as above. For radio-phonos, P.A. input selectors, meter/speaker switching, etc. Silver-plated spring brass clips. Shorting except *non-shorting. †3 active pos. with 5 a., 110 v. AC switch. 1472 is for AM-FM-phono selector. 5 oz.

34 B 080	1460	SPDT phono-radio switch.	1.08
34 B 081	1461	SP-3-position selector	
34 B 082	1462	DPDT bandswitch	
34 B 083	1463*	SPDT spring return	1.08
34 B 084	1464*	DPDT spring return	
35 B 235	1472*	DP 3-position	
34 B 073	1465†	SP-4-position W/AC sw.	1.80

LEVER-ACTION PHENOLIC SWITCHES



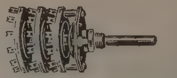
Budget-priced phenolic-insulated switches featuring nylon rotor design. Rated 2.75 amps at 15 v. DC, 230 ma at 115 v. AC. Silver-plated clips and contacts. 1⅞x7/16" (1¼" behind panel). Mtg. bracket has two 6-32 tapped holes. With knob, hardware. 4 oz.

Shorting		Non-Shorting		Poles	Positions	Action	EACH
Stock No.	Type	Stock No.	Type				
34 B 021	1452	34 B 026	1454	2	3	Positive	1.26
34 B 022	1453	34 B 027	1455	2	3	Moment.	1.26
34 B 023	1466	34 B 028	1467	2	3	Pos./Mom.	1.26
34 B 025	1456	34 B 030	1457	4	2	Moment.	1.44
34 B 024	1459	34 B 029	1458	4	2	Positive	1.44

Switch Mounting Plates. For single or multiple mounting of lever switches. ¾" spacing between switches. Black-wrinkle finish steel. *No. of switch openings. Av. wt., 4 oz.

Stock No.	Mfr's Type	*Openings	Size	Mtg. Ctrs.	EACH
34 B 050	P-1755	1	¾x2⅝"	2 3/16"	30¢
34 B 051	P-1756	2	1½x2⅝"	¾x2 3/16"	
34 B 052	P-1757	3	2¼x2⅝"	1½x2 3/16"	
34 B 053	P-1758	4	3x2⅝"	2¼x2 3/16"	

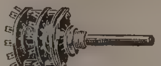
MINIATURE STEATITE SWITCHES



PA-2000 Series. Ceramic rotary switches. Rated 2.75 amps @ 15 v. DC, 230 ma @ 115 v. AC. 1½x1 5/16" dia.; ½" spacing between sections. 30° indexing. Shaft 2¼" FMS long, ¼" dia.; bushing ⅜"-32 thread, ⅜" long. *2042 has 1 off and 9 progressive shorting pos. Adjustable stop. With 1¼" pointer knob, hdwe. Av. shpg. wt., 6 oz.

Shorting		Non-Shorting		Sections	Total Poles	Pole Pos.	EACH
Stock No.	Type	Stock No.	Type				
35 B 095	*2042	....	......	1	1	2-10	2.16
34 B 900	2000	34 B 921	2001	1	1	2-12	2.37
34 B 901	2002	34 B 922	2003	1	2	2-6	2.37
34 B 902	2004	34 B 923	2005	2	2	2-12	3.39
34 B 903	2006	34 B 924	2007	1	3	2-5	2.37
34 B 904	2008	34 B 925	2009	3	3	2-12	4.32
34 B 905	2010	34 B 926	2011	2	4	2-6	3.39
34 B 906	2012	34 B 927	2013	4	4	2-12	5.19
34 B 907	2014	34 B 928	2015	1	5	2-3	2.37
34 B 908	2016	34 B 929	2017	5	5	2-12	6.21
34 B 909	2018	34 B 930	2019	1	6	2	2.37
34 B 910	2020	34 B 931	2021	2	6	2-5	3.39
34 B 911	2022	34 B 932	2023	3	6	2-6	4.32
34 B 914	2024	34 B 933	2025	6	6	2-12	7.20
34 B 913	2026	34 B 934	2027	4	8	2-6	5.19
34 B 915	2028	34 B 935	2029	3	9	2-5	4.32
34 B 916	2030	34 B 936	2031	2	10	2-3	3.39
34 B 939	2038	34 B 940	2039	3	15	2-3	4.68
34 B 942	2040	34 B 941	2041	3	18	2	4.68

MINIATURE PHENOLIC SWITCHES

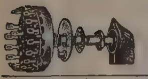


PA-1000 Series. Rated 2.75 amps @ 15 v. DC, 230 ma @ 115 v. AC. 30° indexing adjustable stop. 1½x1 5/16" diameters; ½" spacing between sections. Shaft, 2¼" FMSx¼"; bushing ⅜x⅜". With 1¼" pointer knob and mtg. hdwe. 5 oz.

Shorting		Non-Shorting		Sections	Total Poles	Pole Pos.	EACH
Stock No.	Type	Stock No.	Type				
35 B 050	1000	35 B 065	1001	1	1	2-11	1.80
35 B 051	1002	35 B 066	1003	1	2	2-5	1.80
35 B 052	1004	35 B 067	1005	2	2	2-11	2.58
35 B 053	1006	35 B 068	1007	1	3	2-3	1.80
35 B 054	1008	35 B 069	1009	3	3	2-11	3.24
35 B 055	1010	35 B 070	1011	1	4	2	1.80
35 B 056	1012	35 B 071	1013	2	4	2-5	2.58
35 B 057	1014	35 B 072	1015	4	4	2-11	3.81
35 B 059	1018	35 B 074	1019	2	6	2-3	2.58
35 B 060	1020	35 B 075	1021	3	6	2-5	3.24
34 B 975	1024	35 B 077	1025	2	8	2	2.58
35 B 063	1026	35 B 078	1027	4	8	2-5	3.81

MALLORY GANG SWITCHES

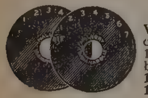
3100J AND 3200J SINGLE-GANG SWITCHES



Compact, enclosed, low-voltage switches. Have 2" notched shaft; ⅜" threaded bushing, ⅜" long. With bar knob and nut. All 1 11/16" base dia. types have adjustable stops. For band switching, etc. Use dial plates listed below. Shpg. wt., 4 oz.

Shorting		Non-Shorting		Poles	Positions	Base Dia.	EACH
Stock No.	Type	Stock No.	Type				
34 B 300	3115J	34 B 350	3215J	1	5	1¼"	1.02
34 B 301	31112J	34 B 351	32112J	1	12	1¼"	
34 B 302	3122J	34 B 352	3222J	2	2	1¼"	
34 B 303	3123J	34 B 353	3223J	2	3	1¼"	
34 B 304	3126J	34 B 354	3226J	2	6	1¼"	
34 B 305	3134J	34 B 355	3234J	3	4	1¼"	1.05
34 B 306	3142J	34 B 356	3242J	4	2	1¼"	1.05
34 B 307	3143J	34 B 357	3243J	4	3	1¼"	1.05
34 B 308	31117J	34 B 358	32117J	1	2-17	1 11/16"	1.56
34 B 309	3129J	34 B 359	3229J	2	2-9	1 11/16"	1.56
34 B 310	3136J	34 B 360	3236J	3	2-6	1 11/16"	1.65
34 B 311	3163J	34 B 361	3263J	6	2-3	1 11/16"	1.65

DIAL PLATES

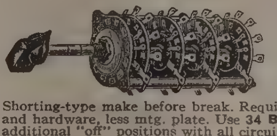


Wide selection of dial plates for switches, potentiometers and rheostats. Types 372 to 390 for switches 1200L, 1300L and for 3100J and 3200J with 1¼" bases; 453 to 486 for switches 3100J and 3200J with 1 11/16" bases. Etched aluminum. Black background. 1 13/16" dia. 7/16" hole. Shpg. wt., 2 oz.

30° SPACING FOR 1¼" BASE SWITCHES				20° SPACING FOR 1 11/16" BASE SWITCHES			
Type	Marking	Type	Marking	Type	Marking	Type	Marking
372	1 to 2	384	Off 1 to 4	453	1 to 3	474	Off 1 to 4
373	1 to 3	385	Off 1 to 5	454	1 to 4	475	Off 1 to 5
374	1 to 4	386	Off 1 to 6	455	1 to 5	476	Off 1 to 6
375	1 to 5	387	Off 1 to 7	456	1 to 6	477	Off 1 to 7
376	1 to 6	388	Off 1 to 8	457	1 to 7	478	Off 1 to 8
377	1 to 7	389	Off 1 to 9	458	1 to 8	479	Off 1 to 9
378	1 to 8	390	Off 1 to 10	459	1 to 9	480	Off 1 to 10
379	1 to 9	.....	....	460	1 to 10	481	Off 1 to 11
380	1 to 10	.....	....	461	1 to 11	482	Off 1 to 12
381	1 to 11	.....	....	462	1 to 12	483	Off 1 to 13
382	1 to 12	.....	....	467	1 to 17	484	Off 1 to 14
383	Off 1 to 3	.....	....	473	Off 1 to 3	486	Off 1 to 16

34 BB 600. Specify Type. | **34 BB 650. Specify Type.**
Two For..24¢

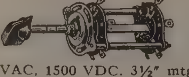
1200L AND 1300L MULTI-GANG SWITCHES



Versatile multi-gang switches for servicing and industrial applications. Have 1 fixed and 1 adjustable stop, silver-plated contacts, solid silver rotor contact slugs, and phosphor-bronze springs. 3- and 4-gang spaced 1"; all others ½". 2" notched shaft. Shorting-type make before break. Require 7/16" mtg hole. With bar knob and hardware, less mtg. plate. Use **34 BB 600** plates, below left. *With additional "off" positions with all circuits open. Av. wt., 8 oz.

Shorting		Non-Shorting		Gangs	Total Poles	Pos. Per Pole	EACH
Stock No.	Type	Stock No.	Type				
34 B 201	1211L	34 B 251	1311L	1	1	2-11	2.10
34 B 202	1215L*	34 B 252	1315L*	1	2	2-5	
34 B 203	1213L*	34 B 253	1313L*	1	3	2-3	
34 B 204	1212L*	34 B 254	1312L*	1	4	2	
34 B 206	1221L	34 B 256	1321L	2	2	2-11	2.58
34 B 207	1225L*	34 B 257	1325L*	2	4	2-5	
34 B 208	1223L*	34 B 258	1323L*	2	6	2-3	
34 B 209	1222L*	34 B 259	1322L*	2	8	2	
34 B 211	1231L	34 B 261	1331L	3	3	2-11	3.24
34 B 212	1235L*	34 B 262	1335L*	3	6	2-5	3.24
34 B 214	1241L	34 B 264	1341L	4	4	2-11	3.81
34 B 215	1245L*	34 B 265	1345L*	4	8	2-5	3.81
34 B 216	1251L	34 B 266	1351L	5	5	2-11	4.11
34 B 217	1256L	34 B 267	1356L	5	10	2-6	4.53
34 B 218	1261L	34 B 268	1361L	6	6	2-11	4.83
34 B 219	1266L	34 B 269	1366L	6	12	2-6	5.52

151L "HAMSWITCH"



Ideal for switching a single meter between 1 to 5 circuits. 2 sections, 5 positions—1 pole per section. Non-shorting; 2¼" spacing between sections; 60° indexing. Rated 1000 VAC, 1500 VDC. 3½" mtg depth. ⅜x⅜" bushing, 2x¼" shaft. With knob, nut, and lockwasher. Shpg. wt., 6 oz.
34 B 318..2.70

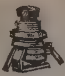
13124L 24-POINT TAP SWITCH

Single circuit, 24 position, non-shorting switch. Continuous rotation. ⅜" bushing. 2" grooved shaft. Useful in test equipment. 15° indexing between positions. With knob, dial plate and hardware. 6 oz.
34 B 295..2.76

Switches, Timers and Elapsed-Time Indicators

SWITCHCRAFT LEVER AND PUSH SWITCHES

"LITTEL" SWITCHES



Miniature, non-locking pushbutton type switches for limited space applications. One-piece button and shaft. Red or black button. §n.o. means normally open; n.c. means normally closed. Nickel silver contacts; spring sections are insulated. ⅜" threaded stem; ⅜" long. For low-level currents only. With mounting hardware. Wt., 3 oz.

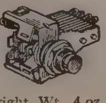
Stock No.	Mfr's Type	Button Color	§Action	EACH
34 B 944	101	Red	SPST n.o.	54¢
34 B 945	102	Red	SPST n.c.	54¢
34 B 946	103	Red	SPDT	60¢
34 B 947	201	Black	SPST n.o.	54¢
34 B 948	202	Black	SPST n.c.	54¢
34 B 949	203	Black	SPDT	60¢

ILLUMINATED "LITTEL-LITE" SWITCHES

Similar to above, but clear plastic pushbutton and shaft illuminated by 6 or 28 v. lamp (not supplied, see below right). 3 amps at 300 w. max. non-inductive load. With 4 color chips (red, amber, green, yellow). Wt., 4 oz.

Stock No.	Mfr's Type	Action	EACH
34 B 607	211S	SPST n.o.	1.11
34 B 608	212S	SPST n.c.	1.11
34 B 609	213S	SPDT	1.26

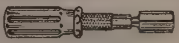
ILLUMINATED "NF-LITE" SWITCHES



Series 4100. Pushbutton types indicate switching and circuit functions. Rated 3 amps, 300 w. max., AC non-inductive. With 4 color chips (red, amber, green, yellow). Need 1¹⁄₁₆"-1⁵⁄₁₆" behind panel; mount in ⅜" hole in panels up to ¼" thick. Less lamp, below right. Wt., 4 oz.

Stock No.	Mfr's Type	Action	EACH
34 B 610	4101	SPST n.o.	1.17
34 B 611	4103	SPDT	1.26
34 B 612	4104	DPST n.o.	1.32
34 B 613	4106	DPDT	1.47
34 B 614	4109	3PDT	1.80

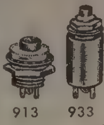
SWITCH WRENCHES



Special wrenches designed to fit knurled or milled-edge locknuts furnished with toggle, lever and button switches and jacks. Adjustable sleeve on shaft holds nuts tightly. Knurled handle provides sure, firm grip. Shpg. wt., 10 oz.

Stock No.	Mfr's Type	Nut Size	EACH
34 B 605	A-1070	¹⁵⁄₁₆"-32	3.99
34 B 606	A-1071	¼"-32	3.99

TYPE 900 MINIATURE "BUTTON" SWITCHES



Momentary-action pushbutton switches in metal housing. Each type has black plastic button. Type 913 is ½" long, fits ¹⁵⁄₃₂" hole, and mounts behind panel. Type 933 is ⅞" long, fits ¼" hole, and mounts from front. Both rated at 250 ma, 300 watts maximum, AC non-inductive, SPDT, 2 oz.

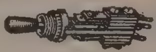
35 B 418. Type 913........................90
35 B 420. Type 933........................1.05

CORD OR PENDANT-TYPE PUSHBUTTON SWITCH

Hand-held switch for remote control of recorders, lights, counters, etc. Momentary contact, SPDT switch in a nickel-plated sleeve. Rated 250 ma., 300 watts max. AC non-inductive. 1¹⁄₁₆x2¹⁄₁₆" long. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Button	EACH
35 B 422	E903	Red	1.50
35 B 424	E913	Black	1.50

"LEV-R" SWITCHES



Series 3000. Require half the space needed for a lever switch. Silver contacts rated at 3 amps. 300 watts max. AC, non-inductive load. Non-locking types have spring return. ¹³⁄₆₄" mtg. bushing; ⅝" wide; 2¼" behind panel; ¹⁵⁄₁₆" mtg. hole. ‡Type 3034 closes either of two circuits keeping the other open. †Type 3035 opens one of two circuits keeping the other closed. *Same contact form for both sections on each side of switch. Shpg. wt., 3 oz.

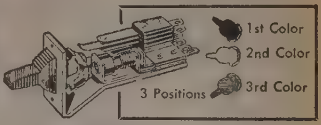
TWO-POSITION TYPES

Mfr's Type	Stock No. Locking Type	Stock No. Non-Locking Type	Action	EACH
3001	34 B 471	34 B 465	SPST	1.17
3002	34 B 455	34 B 454	SPST	1.17
3003	34 B 472	34 B 466	SPDT	1.35
3004	34 B 473	34 B 467	DPST	1.50
3005	34 B 457	34 B 456	DPST	1.50
3006	34 B 474	34 B 468	DPDT	1.65
3009	34 B 484	34 B 485	3PDT	2.04

*THREE-POSITION TYPES

Mfr's Type	Stock No. Locking Type	Stock No. Non-Locking Type	Action	EACH
3033	34 B 475	34 B 469	SPDT	1.50
3034	34 B 459	34 B 458	DPDT	1.56
3035	34 B 477	34 B 464	DPDT	1.56
3036	34 B 479	34 B 478	DPDT	1.74
3037	34 B 476	34 B 470	DPDT	1.77

ILLUMINATED LEVER SWITCHES



Series 25000. Illuminated color-coded switches indicate function and/or switch position. Replace switch and up to 3 indicator lamps, saving space and wiring costs. Nickel-silver springs. Silver contacts: 3 amps, 300 watts max., AC non-inductive. 1⁷⁄₃₂" high, ³⁵⁄₆₄" wide, 2¼" behind panel. With 6-volt lamp and 6 color chips (blue, red, amber, yellow, green, white). *Same contact form for both sections on each side of switch: 1-A for Type 25201, 25304; 1-C for 25203, 25306; 2-A for 25308; 2-C for 25206, 25312; 3-C for 25209. 2 oz.

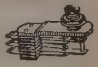
TWO-POSITION TYPES

Mfr's Type	Stock No. Locking Type	Stock No. Non-Locking Type	Action	EACH
25201	36 B 280	36 B 272	SPST	2.40
25203	36 B 281	36 B 273	SPDT	2.55
25206	36 B 282	36 B 274	DPDT	3.00
25209	36 B 283	36 B 275	3PDT	3.45

*THREE-POSITION TYPES (Center-Off)

Mfr's Type	Stock No. Locking Type	Stock No. Non-Locking Type	Action	EACH
25304	36 B 284	36 B 276	SPST	2.70
25306	36 B 285	36 B 277	SPDT	3.00
25308	36 B 286	36 B 278	DPST	3.30
25312	36 B 287	36 B 279	DPDT	3.60

"FF" PUSHBUTTON SWITCHES



Non-locking type with rugged flat frame. Fine silver contacts rated 3 amps, 300 w. max. AC non-inductive. Insulated springs are form-free at flex point. One-piece black button and shaft. ⅜" dia. mtg. shank is ⅜" long. With locknut and washer. 3 oz.

Stock No.	Mfr's Type	Action	EACH
34 B 994	1001	SPST n.o.	.63
34 B 995	1002	SPST n.c.	.63
34 B 996	1003	SPDT	.72
34 B 997	1004	DPST n.o.	.78
34 B 998	1005	DPST n.c.	.78
34 B 999	1006	DPDT	.93
34 B 969	1009	3PDT	1.26

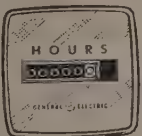
LAMPS FOR ILLUMINATED SWITCHES

For use with "Littel-Lite" and "NF-Lite" illuminated pushbutton switches, and Series 25000 illuminated lever switches. Wt., 2 oz.

34 B 601. Type P-1217. 6 volts..........72
34 B 602. Type P-1218. 28 volts..........1.20

GENERAL ELECTRIC

NEW ELAPSED-TIME METERS



Type 236. Economical meters with distinctive modern appearance and excellent readability. Match other G.E. meters commonly used in control panels. Accurately measure elapsed time in hours and tenths of hours up to 99,999.9 hours. (Also available in units that measure time in minutes and tenths of minutes—on Special Order.) Digits are 2½ times larger than on most meters—speeds checking, reduces mistakes. Wide temperature range of −67° F to 150° F offers more flexible application, longer meter life, and less maintenance. Reset types have front-panel knob for quick and easy resetting of meter. Conveniently located terminals provide easy installation. Panel-mount by 4 studs in mounting holes of .125" diameter. All studs are permanently mounted on back of flange. Shpg. wt., 2 lbs.

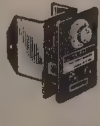
NON-RESET TYPES

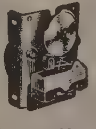
Stock No.	Case Size	EACH
78 B 700	2½" Square	17.60
78 B 701	3½" Square	17.60

RESET TYPES

Stock No.	Case Size	EACH
78 B 702	2½" Square	24.00
78 B 703	3½" Square	24.00

TIMERS AND ELAPSED-TIME INDICATORS


DA1102


RB2102

HAYDON
HOURS
ED71

ER35

HAYDON

TYPE DA1102 TIME-DELAY TIMERS

SPDT 20-amp switch. 125 volts, AC, resistive. Internal clutch—engages and disengages when motor is energized and de-energized. Have knob adjustment. Size, 3⅜x2¹¹⁄₁₆x3⅛". U.L. Listed. Shpg. wt., 1 lb.

Stock No.	Time Range	EACH
78 B 230	0-14 seconds	12.75
78 B 231	0-57 seconds	
78 B 232	0-4.5 minutes	

TYPE RB2102 REPEATING-CYCLE TIMERS

Repeat a set cycle, or sequence of switching operations, while motor is energized. Wireable through convenient contacts for 1-cycle limit. Have adjustable time-cycle cam. SPDT 20-amp switch, 125 volts, AC, resistive, 50-60 cycle. Size, 3¼x2⁵⁄₁₆x2⁹⁄₁₆". U.L. Listed. Shpg. wt., 1 lb.

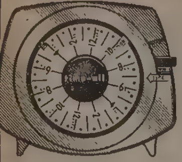
Stock No.	Time Range	EACH
78 B 246	1 minute	10.62
78 B 247	5 minutes	
78 B 248	15 minutes	
78 B 249	30 minutes	
78 B 250	60 minutes	

TYPES ED71 AND ER35 ELAPSED-TIME INDICATORS

Register up to 99,999.0. Miniature synchronous motor. Front/rear panel mtg. −25° to +65° C. **Type ED71:** non-resettable; 5¼" leads; 1¾" sq., 2³¹⁄₆₄" deep. **Type ER35:** resettable; 3½" dia. bezel, 2¾" deep; screw terminals. 120 v., AC, resistive. Wt., 1½ lbs.

Stock No.	Mfr's Type	Dial Readings	EACH
78 B 211	ED7112	Hours and tenths	16.79
78 B 212	ER3520	Minutes and tenths	19.12
78 B 215	ER3522	Hours and tenths	19.12

Intermatic Timers and Photoelectric Controls


Automatically Turns Lights On or Off
- U.L. Listed
- Handles Loads of 1875 Watts

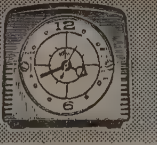
"TIME-ALL" MODEL A21 1-4
AUTOMATIC APPLIANCE TIMER

You can easily set the "Time-All" to turn lights and appliances on and off at times you designate. The minimum "on" time is 15 minutes; maximum "on" time is 23¾ hours. Can be set to skip operation for a day or longer. Device to be controlled plugs into AC outlet on back of timer. Has manual control with automatic reset. Timer handles 15-amp, 1875-watt load. With 6-ft. cord, plug, instructions. Desert Sand Plaskon case. 5x4x2½". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs.
78 B 311....................**7.97**

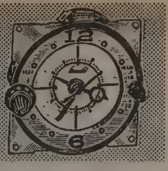
MODEL A221-4. As above, but designed to handle 7-amp, 875-watt load. For lighter-duty applications, as control of music system, home lights, etc. Dove-Gray Plaskon case. Shpg. wt., 2 lbs.
78 B 397....................**7.29**

MODEL A401-4 CLOCK-TIMER

(Not illus.) Electric clock with time switch. Automatically turns appliances on and off at preset times. Minimum "on" time, 15 min. Maximum, 5½ hours. Rated 15 amps, 1875 w. Rear AC outlet. Desert Sand Plaskon case. 6' cord. 4½x4¾x2¼". U.L. Listed. For 110-120 v., 60 cycle AC, 2 lbs.
78 B 343. (Includes F.E.T.)..........**8.77**



A501



RC5421-4

MODEL A501 MUSIC-MINDER

- Automatically Turns Radios Off and On
- Controls Any Radio to a Clock-Radio

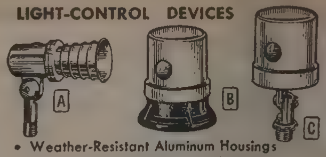
Electric clock with Sleep Switch and Buzzer Alarm. Lets radio play up to 60 minutes before automatically shutting it off. Automatically turns radio on again in morning. Buzzer alarm sounds 10 minutes later to ensure arousing heavy sleepers. AC outlet on back takes 1875-watt loads (15 amps). Desert Sand Plaskon case. With 6-ft. cord. 4½x4¾x2¼". U.L. Listed, Wt., 2 lbs.
78 B 267. (Includes F.E.T.)..........**8.77**

RC5421-4 RADIO CLOCK-TIMER

- Uncased—Designed for Custom Installation
- Automatically Turns Appliances On and Off
- 0 to 60-Minute Sleep Switch
- Buzzer Alarm

Similar to Music Minder above, but uncased. Turns on radio or appliance automatically at any pre-set time within 12 hours. Also can be set to sound alarm 10 minutes later. Sleep Switch turns radio or appliance off at any pre-set time up to one hour. All controls on front panel. Clock has sweep-second hand. Brass bezel, soft white-and-brown dial. Tan knobs. Rated 15 amps, 1875 w. 3½" square; 2" deep. With crystal. Four 5/32" mtg. holes on 3 13/64" center. U.L. Listed. For 110-120 v., 60 cycle AC. 1 lb.
78 B 499. (Includes F.E.T.)..........**6.94**

INDOOR-OUTDOOR PHOTOELECTRIC LIGHT-CONTROL DEVICES



- Weather-Resistant Aluminum Housings
- Modern, Dependable Printed Circuits
- Operate From Artificial or Natural Light

Turn lights on at night, and turn them off at dawn. Each control model has dependable printed circuit. Relay-type construction is unaffected by humidity or temperature changes. Self-cleaning lens and moisture-proof cell eye. Aluminum housing is lightweight and weather-resistant. Work with tungsten, mercury vapor and fluorescent lights.

[A] MODEL K1611. Complete photocell and Par lamp holder in one unit. External switch leg provides instantaneous control of other light clusters. 1000 watts. For 125 v., 60 cycle AC. Shpg. wt., 1 lb.
78 B 337........................**11.02**

[B] MODEL K1221. Has 3-prong plug and lightning arrester. Meets NEMA and EEI specs. 1500 watts. 125 v., 60 cycle AC. Shpg. wt., 1 lb.
78 B 338........................**13.62**

78 B 339. K-120 Adapter. Adapts std. wire to twist-lock plug. 6 oz.............. 3.00

[C] SERIES K1121. Adjustable stem. Suffix "L": late activation (2-5 foot candles of light activate it; 5-12 deactivate). "E": early activation (6-12 on; 8-16 off). 1500 watts. 125 v., 60 cycle AC. ½ lb.
78 B 341. K1121-L...............**13.62**

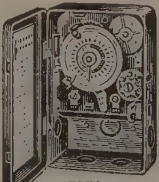
78 B 344. K1121-E...............**13.62**

SERIES K1111. As above, but 650watts.
78 B 345. K1111-L...............**12.32**

78 B 346. K1111-E...............**12.32**

"SKIPPER" TIME SWITCHES

Handle up to 12 on-off operations. Can be set to skip one or more days.



T171

Permit "skipping" control cycle. Have two dials: a time dial and a day dial. Days are skipped by inserting small skipping screws into day dial. "On" and "off" trippers are set in time dial. Special "cutout" tripper advances the day dial every 24 hours. Up to 12 operations per day can be obtained by adding trippers. Range: minimum "on" or "off," 1 hour; maximum 23 hours. Silver contacts rated 40 amps (4375 watts, tungsten) at 125 v. 7¾x5x3". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.

Stock No.	Type	Action	EACH
78 B 315	T171	SPST	11.02
78 B 316	T173	DPST	12.32
78 B 317	T175	SPDT	12.32

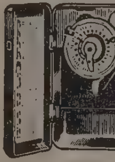
TRIPPERS AND SKIPPING SCREWS

TYPE 107T19R. "On" Cutout Trippers. For "Skipper" switches only. 3 oz.
78 B 319........................Each 30c

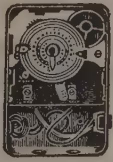
TYPE 79T8A. Skipping Screws. For "Skipper" switches only. 8 oz.
78 B 364......................2 for 13c

TYPE 107T8A. "On and Off" Trippers. For all switches except T185. 2 oz.
78 B 324....................Per Set 40c

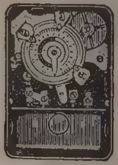
TIME SWITCHES



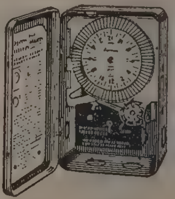
T101



P101



T185



T1975

TYPE T101 TIME SWITCH

SPST time switch turns equipment on and off once in 24 hours. Can be activated up to 12 times a day with extra trippers (Type 107T8A at lower left of page). Minimum time between settings is one hour. Alloy-T contacts resist pitting and welding. Motor is visible for inspection. Contacts handle 35 amps (4375 watts, tungsten rated) at 125 v. 5x3x7⅞". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
78 B 322...................... **7.77**

TYPE T105. As above, but SPDT.
78 B 347..........................**9.07**

TYPE T103. As above, but DPST.
78 B 321..........................**9.07**

TYPE P101 TIME SWITCH

Portable, SPST plug-in time switch. Easily set for from 1 (as is) to 12 on-and-off operations per day (with extra T107T8A trippers, listed at lower left). Minimum on or off time, 1 hour; maximum, 23 hours. Can also be manually operated. 10 amps at 125 v. 5x3x7⅞". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
78 B 314........................**9.07**

TYPE T185 TIME SWITCH

Provides up to 12 on-and-off cycles daily, with extra trippers (listed below). Each cycle is independently controlled and can vary from 5 to 60 minutes. Minimum interval between cycles, 1¾ hours. Can be used as SPST normally open, SPST normally closed, or SPDT. The perfect switch for applications requiring more than one on-and-off cycle of the same or different duration within a 24-hour period. Rated 35 amps (4375 watts, tungsten rated) at 125 v. Supplied with 3 trippers (one for each on-and-off cycle). 7¾x5x3". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
78 B 313........................**11.67**

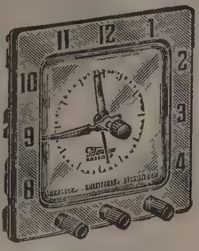
EXTRA TRIPPERS. For above. 4 oz.
78 B 336.....................Each 84c

TYPE T1975 PROGRAM TIMER

96 trippers for 48 on-and-off operations every 24 hours. Minimum interval, 15 minutes. Has "skipper" feature for omitting operation on selected days. SPDT switch, rated 20 amps at 125 v. Industrial-type motor. U.L. Listed. 7¾x5x3". For 110-120 v., 60 cycle AC. Shpg. wt., 3¾ lbs.
78 B 378. $5 Monthly..............**21.42**

Timers, Snap-Action and Foot-Switches

TELECHRON CLOCK-TIMER

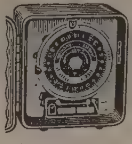


Electric Clock, Automatic Time Switch

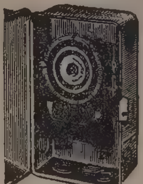
Excellent value in a famous-name combination electric clock and automatic time switch. Use for radio, hi-fi air conditioner, coffee-maker, etc. SPST switch rated 15 amps at 125 volts AC. Select manual "on" and "off" operation, or automatic appliance control at pre-selected time within 12 hours. Automatic operation can also be used with signal alarm sounding 10 minutes after "on" cycle begins. Or, select a definitely timed "on" cycle of up to one hour duration—use with radio as "sleep switch." Gold finish case: $3\frac{1}{2}x3\frac{1}{2}x1\frac{13}{16}$″ deep. For 110-120 volts, 60 cycle AC. Shpg. wt., 2 lbs.

78 B 438. Includes F.E.T........ **5.98**

TORK TIME SWITCHES FOR ANY APPLICATION



Model 919T



Model A-100

MODEL 919T PORTABLE SWITCH

Can be set for "on" period from 20 minutes to 23 hours, 15 minutes daily to nearest 15-minute interval. Use extra trippers (below) for more "on-off" cycles. SPST. 15 amps. $5\frac{1}{2}x4\frac{1}{4}$″. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.

78 B 304........................... **9.72**

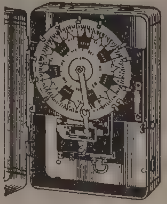
Extra Trippers. For above. 3 oz.

78 B 309.................per pair **45¢**

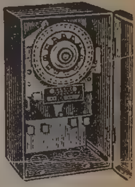
MODEL A-100

Latest model SPST switch automatically turns electrical equipment or lights "on" and "off" once every 24 hours. Minimum setting is 20 minutes. May be easily set to skip from 1 to 6 days per week automatically, or operated manually without disturbing the automatic settings. Up to 6 additional trippers can be added. Rated at 40 amps. $8\frac{1}{2}x5\frac{3}{8}x4\frac{1}{8}$″. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.

78 B 279........................ **7.77**



Model W-100



Model 4100

W-100 "SEVEN-DAY" TIME SWITCH

Offers programed seven-day control. Has minimum timing interval of only 60 minutes. Unique "on" and "off" trippers provide fast, accurate setting of up to 28 operations per week. Manual operation without disturbing settings. Lug terminals take wire sizes up to #6. $12x8x4\frac{1}{2}$″. U.L. Listed. SPST switch contacts rated 40 amps. For 110-120 volts, 60 cycle AC. Wt., 8 lbs.

78 B 281........................ **19.47**

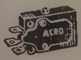
MODEL 4100 "HOURMASTER"

Heavy-duty SPST time switch has many uses around the home, hobby shop, garage and farm—serves well in industrial applications, too. Any hour or sequence of hours may be set to include an identical "on" cycle each hour you choose—up to 24 hours. "On" cycle can be varied from 2 to 55 minutes. Sequence repeats every 24 hours. Rated at 40 amps. U.L. Listed. 8½″ high, 5⅜″ wide, 4⅛″ deep. For 110-120 volts, 60 cycle AC. Shpg. wt., 4 lbs.

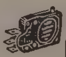
78 B 295........................ **19.47**

ACRO SNAP-ACTION SWITCHES

LIGHT PRESSURE SWITCHES



A



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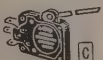

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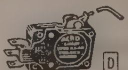
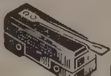


D

Miniature SPDT switches for a variety of applications. Type 2CMD1-2AXX-A22 has wire leaf actuator; Type 1CMD1-2AXX-A24 has a flat leaf actuator; all others are basic pin plunger types. Pre-travel given in inches. Amp ratings are at 125-250 VAC. U.L. Listed. Shock resistant. Solder terminals. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Oper. Force	Pre-travel	Basic Switch Size	Amps.	EACH
35 B 009	1MD1-1A	A	3-6 oz.	$\frac{1}{32}$	$1\frac{5}{8}x\frac{9}{32}x\frac{53}{64}$	10	1.45
35 B 019	2MD3-1A	A	6-10 oz.	$\frac{1}{32}$	$1\frac{5}{8}x\frac{9}{32}x\frac{53}{64}$	10	1.45
35 B 020	1CMD1-2AXX	B	20-27 gr.	.040	$1\frac{5}{8}x\frac{9}{32}x1\frac{3}{64}$″	3	1.45
35 B 021	2CMD1-2AXX	B	33-44 gr.	.040	$1\frac{5}{8}x\frac{9}{32}x1\frac{3}{64}$″	3	1.45
35 B 024	1CMD1-2AXX-A22	D	2.5 gr.	.750	$3\frac{1}{32}x\frac{9}{32}x1\frac{5}{8}$″	3	1.75
35 B 030	2CMD1-2AXX-A24	C	4 gr.	.750	$2\frac{9}{32}x2\frac{9}{32}x1\frac{19}{32}$″	3	1.75

B SERIES SWITCHES WITH MICRO EQUIVALENTS



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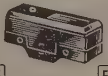

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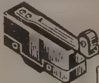

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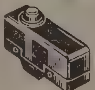

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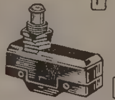

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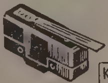
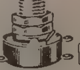


K

Long-life replacements for microswitch types shown in table below. All are SPDT with step base design and screw terminals except Type BRD2-5L, with flat base and solder terminals. Contacts rated 15 amps at 120-240-480 VAC and 0.5 amp at 120 VDC. Av. shgp. wt., 4 oz.

Stock No.	Mfr's Type	Micro Equiv.	Fig.	Oper. Force	Pre-travel	Basic Switch Size	EACH
33 B 968	BRD2-5L	BZ-2RL	E	4-5 oz.	.156″	$2\frac{13}{32}x1\frac{1}{32}x1\frac{1}{16}$″	1.65
33 B 969	BRD2-1A-1S	BZ-2R-A2	F	9-13 oz.	.020″	$1\frac{15}{16}x\frac{31}{32}x1\frac{1}{16}$″	1.65
33 B 970	BRD2-2M-1S	BZ-2RL2-A2	G	5 oz.	.156″	$2\frac{15}{32}x1\frac{15}{32}x1\frac{1}{16}$″	2.25
33 B 971	BRD2-5L-1S	BZ-2RL-A2	H	5 oz.	.156″	$2\frac{13}{32}x1\frac{3}{32}x1\frac{1}{16}$″	1.75
33 B 972	BRD2-7O-1S	BZ-2RD-A2	J	9-13 oz.	.010-.025″	$1\frac{15}{16}x1\frac{3}{16}x1\frac{1}{16}$″	1.95
33 B 973	BRD2-1P-1S	BZ-2RQ1-A2	K	9-13 oz.	.010-.025″	$1\frac{27}{32}x1\frac{15}{16}x1\frac{1}{16}$″	3.55

SNAP-ACTION PUSHBUTTON SWITCHES



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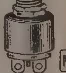
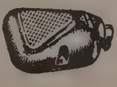


M

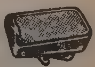
Momentary contact pushbutton switches. Type 3DO5-5P, normally open; 3DC5-5P, normally closed; QPD-5031 may be wired either way. All are overtravel plunger types with solder lug terminals. Amp ratings at 125 VAC. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig. Type	Oper. Force	Pre-travel	Action	Size	Amps	EACH
35 B 328	QPD-5031	L	8 oz.	.050″	SPDT	$\frac{31}{32}x2\frac{3}{32}$″ dia.	10	1.50
35 B 028	3DO5-5P	M	10-15 oz.	.045″-1	SPST	$\frac{5}{8}x2\frac{9}{32}$″ dia.	12	1.75
35 B 029	3DC5-5P	M	10-15 oz.	.03-.06″	SPST	$\frac{5}{8}x2\frac{9}{32}$″ dia.	12	1.75

GENERAL CONTROL "FOOTROL" FOOT SWITCHES



MA-3



MI-25

Model MA-3. Snall, high-speed foot switch—for minimum operator fatigue. Spring-return, momentary-contact SPDT switch. Rubber base. Preset for ½-lb. operating force. Contacts: 20A, 125 VDC; 15A, 250 VAC, non-inductive. $1\frac{3}{4}x4x4\frac{1}{2}$″. 1¾ lbs.

78 B 374....................Each **4.93**

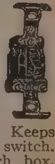
Model MI-25. Heavy-duty SPDT switch. First press transfers contacts, second press returns them. Rated: 12A, 125 VDC; 6A, 250 VAC, non-inductive. Operating force, 10 lbs. $3x4x6\frac{3}{4}$″. Shpg. wt., 4¾ lbs.

78 B 370....................Each **12.10**

Model MI-23. Above, spring return.

78 B 731....................Each **10.52**

EDCO DELAYED-ACTION WALL SWITCH

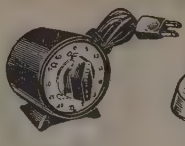


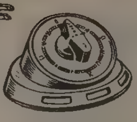
Handy switch for controlling lights in garages, stairwells, on porches, patios, yard areas, etc. Helps to prevent accidents—lights stay on for full minutes after switch is turned to "OFF". Keeps area lit up until you reach next light switch. Easily mounts in standard switch box. Rated 10 amperes, 125 volts, AC. U.L. Listed. Shpg. wt., 5 oz.

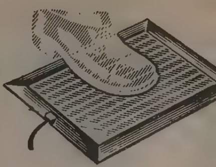
35 B 526................................ **2.17**

Foot Switches, Automatic Timers, Fans and Blowers

74701


78105


29001


NF-2

491-SC

T-51-S

MARK-TIME TIMERS AND TIME SWITCHES

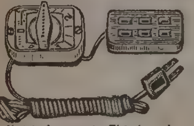
Standard-Built-In Time Switches. Easily set for "off-type" or "on-type" use. Easy installation. With hdwe. 28 amps, 125-240 VAC. U.L. Listed.

Stock No.	Type	Timing Range	Dia. x Depth	Lbs.	EACH
78 B 259	74701	0 to 15 min.	2⁹⁄₁₆x1¹⁹⁄₃₂"	1	5.96
78 B 261	74702	0 to 30 min.		1	
78 B 268	74703	0 to 60 min.		1	

Model 78105. Turns off AC at any pre-set time up to 1 hr. Built-in AC receptacle. 10 amps. 3⅜x3x3½". 110-125 v., 60 cycle AC. Shpg. wt., 1 lb.
78 B 263......................................**6.38**

78 B 264. Model 78174 Photo Time-Switch. As above, but for periods to 60 seconds. Adjustable stop for repeat settings............**7.13**

Model 29001 "Clock Watcher." Spring-driven timer. Times up to 60 min. with bell tone. White finish. Shpg. wt., ¾ lb.
78 B 380......................................**2.96**



Set it forget it. This handy household extension cord automatically shuts off appliances up to four hours after you've set it.

TEC-4 AUTOMATIC TIMER

Five-foot extension cord with built-in automatic timer. Great for automatically shutting off TV sets, appliances, lamps, heating pads and decoration lights up to 4 hours after timer is set. Controls up to 3 appliances at once. SPDT switch rated 10 amps. For 110-120 v., 60 cycle AC. Shpg. wt., 1 lb.
78 B 291..................**5.21**

RECORA FOOT SWITCHES

Model NF-2. Foot-operated switch frees hands for other work. Waterproofed—can be used indoors or out. SPST contacts rated 10 amps. at 110v. Molded plastic. With 6-ft. cord, less plug. ⅜x6x8". 2¼ lbs.
78 B 292......................................**5.49**

78 B 293. Type PSN-2. As above, but plug-in design. With cord and plug, plus std. AC receptacle. Shpg. wt., 2¼ lbs.............**6.27**

"Switchmat" Switch. Similar to NF-2 above, except larger. Concealed, normally-open SPDT switch. Sensitive to 5 lbs. force. For 110 v. non-inductive loads up to 100 watts. ⅜" thick. 10-ft. cord.
78 BX 355. 14x23". Shpg. wt., 14 lbs...................**13.97**
78 BX 356. 18x30". Shpg. wt., 24 lbs....................**19.85**

"Announcemat" Chime Alarm. Footstep actuated alarm system for stores, offices and industry. Includes 18x30" "Switchmat" (above), transformer with 6' cord, chime 25' cable. For 110-120 v., 60 cycle AC. Shpg. wt., 18 lbs.
78 BX 358......................................**23.89**

LINEMASTER FOOT SWITCHES

Model T-51-S. Compact switch for low current-loads. SPDT momentary-contact switch rated 7 amps at 110-250 v. Skidproof rubber base. 1x2⅝x½". Shpg. wt., 7 oz.
78 B 383......................................**2.75**

78 B 384. Model T-51-SC. As above, but with 6-ft. cord and series plug. Shpg. wt., 1 lb......................................**4.00**

Model 491-S. Lightweight, momentary-contact switch with SPDT contacts rated 10 amps at 115 v. or 230 v., AC. Steel housing, skidproof base. 2⅞x2½x1⅛". 1 lb.
78 B 367......................................**3.25**
78 B 368. Model 491-SC. As above, but with 6-ft. cord and 2-prong series plug. Shpg. wt., ½ lb......................................**4.75**

Electronic Component Cooling and Ventilating Fans

"FEATHER" FAN

- Extremely Light—Weighs Only 1½ Lbs.
- Compact—Only 2⁷⁄₁₆" Deep And 7" in Diameter
- 270 CFM Free delivery
- Ambient Temperature Range: −55 °C to +65°C

Type 103. Moves a large volume of air in limited space areas requiring a shallow fan. Excellent for cooling computer consoles, relay racks and power supplies. Has pre-lubricated miniature, precision stainless-steel ball bearings. Ambient temperature range: −55°C to +65°C. Clamping rim mounting provides reversible airflow. Tinned brass terminals. Constructed of high-impact, fungus-proof Lexan plastic. Filters air with box, below. Aerodynamically and mechanically interchangeable with Rotron Saucer Fan. Two-tone gray finish. 3380 rpm. Power consumption: 22 watts. Less cord and plug, below. For 115 v., 50-60 cycle AC.
8 E 593.......................**Each 34.00**

7 E 246. Filter Box. 8 oz..........**Each 8.30**

8 E 591. Type 14559 Rim-Mount Finger Guard. 3 oz...............................**Each 4.50**

8 E 592. Type 14651 Panel-Mount Finger Guard. 3 oz...............................**Each 4.50**

7 E 247. Type 16410 Mounting Clamps. (Uses 3). 2 oz...............................**Each 12c**

7 E 070. Type 14611 Panel-Mount Guard Clip (Each Guard Uses 3). 2 oz........**Each 30c**

9 E 393. Type 16398 Plug and Cord Assembly. 2 oz...............................**Each 80c**

7 E 071. Type 18440 Filtercoat for Filter Cartridge. 3 oz.......................**Per Can 1.00**

GOLD SEAL "MUFFIN" FAN

- 100 CFM Air Delivery
- Only 1½" Deep and 4¹¹⁄₁₆" in Diameter
- Light Construction Only 1.2 Lbs.

Based upon an original aerodynamic design, the Muffin fan delivers 100 CFM to efficiently cool, diredt heat to ventilate. For hi-fi equipment, recorders, Ham gear and projectors. Only 4¹¹⁄₁₆" square and 1½" deep. Noise level only 42 db. Ambient temperature range, 0°-110°F. High-impact phenolic frame. Reversible airflow. Available as skeleton fan (spider rotor and motor only) or Venturi fans, below. For 115v., 50-60 cycle AC. 12 oz.
8 E 599. Skeleton Fan.........**Each 12.80**
8 E 597. Venturi Fan with Frame. Shpg. wt., 15 oz...............................**Each 13.70**
8 E 596. Venturi Fan, with Frame and Grille. Shpg. wt. 1¼ lbs...............**Each 14.50**
8 E 598. Venturi Fan with Frame, Grille and Filter. Shpg. wt., 1¼ lbs........**Each 15.85**

SUPER-QUIET "WHISPER" FAN

- So Quiet You Have To See If It's Running
- Speech Interference Level Is Only 18 db
- Improves Performance

Perfect for hi-fi sets; sound systems; Ham gear; slide, filmstrip and opaque projectors; and many more uses. Delivers 65 CFM of cool air at a noise level of only 18 db. Measures 4¹¹⁄₁₆" square, 1½" deep. High impact phenolic frame. Reversible airflow. Available as skeleton fan (spider rotor and motor only) or Venturi fans, below. For 115 v., 50-60 cycle AC. 12 oz.
9 E 400. Skeleton Fan.........**Each 13.25**
8 E 611. Venturi Fan with Frame. Shpg. wt., 1 lb...............................**Each 14.10**
8 E 610. Venturi Fan with Frame and Grille. Shpg. wt., 1¼ lbs. ....**Each 14.90**
8 E 612. Venturi Fan with Frame, Grille and Filter. Shpg. wt., 1¼ lbs........**Each 16.30**
82 R 031. Venturi Fan Kit. With cord and plug assembly. 2 oz...............**Each 14.85**

ACCESSORIES FOR MUFFIN AND WHISPER FANS

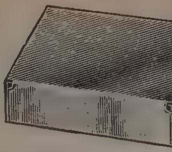
8 E 613. Type 15449 Filter Fan Conversion Kit. Includes filter, frame and clips. Shpg. wt., ¼ lb...............................**Each 2.30**
8 E 614. Type 16238 Standard Spiral Grille. 2 oz................................**Each 80c**
9 E 401. Type 17826 Expanded Metal Grille. 3 oz................................**Each 80c**
8 E [illegible]15. Type 13996 Mounting Clips. 2 oz................................**Per Pair 20c**
9 E 402. Type 14099 Finger Guard. 2 oz................................**Each 1.00**
8 E 616. Type 16415 Plug and Cord Assembly. 2 oz................................**Each 60c**
8 E 619. Type 15448 Filter Cartridge for Muffin Fan. 2 oz................................**Each 1.50**
7 E 071. Type 18440 Filtercoat for Cartridge Above. 3 oz................................**Each 1.00**
7 E 072. Type 13967 Filter Frame. 2 oz................................**Each 80c**
8 E 618. Type 19263 Oiler Kit. 3 oz................................**Each 2.50**
8 E [illegible]17. Type 19263-3 Lubricant for Oiler Kit Above. 2 oz................................**Each 1.25**

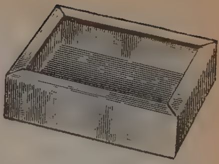
Bud Metal Products

Allied stocks the complete Bud line of metal goods. Even if the Bud equipment you require is not listed, Allied can fill your order quickly.

STANDARD CHASSIS BASES

Have one-piece construction; corners are reinforced and spot-welded. The four sides are folded at the bottom for additional strength. Aluminum types are spot-welded. Steel chassis gauges: *No. 22; †No. 20; §No. 18. Aluminum chassis gauges (aluminum gauge): ‡No. 18; **No. 16; ††No. 14. Less bottom plates, below. AC-403: 2x9½x5".





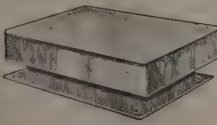
H.W.D. Inches	Black-Wrinkle Steel				Zinc-Plated Steel				Aluminum			
	Stock No.	Type	Lbs.	EACH	Stock No.	Type	Lbs.	EACH	Stock No.	Type	Lbs.	EACH
2x6x4	...	...	...	...	...	...	...	...	87 P 903	AC-431‡	½	1.10
2x7x5	87 P 820	CB-628*	1	1.07	87 P 884	CB-629*	1	1.30	87 P 846	AC-402‡	½	1.17
2½x9½x5	87 P 821	CB-644*	1¼	1.37	87 P 898	CB-645*	1¼	1.67	87 P 847	AC 403‡	½	1.24
1½x9½x5	87 P 822	CB-788*	1	1.20	87 P 899	CB-776*	1	1.69	...	...	...	...
3x6x4	...	...	...	...	...	...	...	...	87 P 904	AC-430‡	½	1.34
3x7x5	...	...	...	...	...	...	...	...	87 P 905	AC-429**	¾	1.42
3x9½x5	...	...	...	...	...	...	...	...	87 P 848	AC-421‡	¾	1.60
3x10x5	87 P 823	CB-604*	1¼	1.27	87 P 878	CB-605*	1¼	1.84	87 P 855	AC-404‡	¾	1.63
3x13x5	...	...	...	...	...	...	...	...	87 P 906	AC-422‡	¾	1.84
3x14x6	87 P 824	CB-755†	1¾	1.75	87 P 900	CB-756†	1¾	2.05	...	...	...	...
3x17x6	...	...	...	...	...	...	...	...	87 PX 339	AC-433**	1¼	2.67
2x7x7	87 P 825	CB-789†	1½	1.20	87 P 879	CB-1191†	1½	1.50	87 P 849	AC-405‡	½	1.35
2x9x7	87 P 826	CB-790†	1½	1.40	87 P 880	CB-1192†	1½	1.59	87 P 850	AC-406‡	½	1.46
2x11x7	87 P 827	CB-791†	1½	1.45	87 P 881	CB-1193†	1½	1.67	87 P 851	AC-407‡	1	1.58
3x12x7	87 P 828	CB-792†	1¾	1.57	87 P 882	CB-793†	1¾	2.05	87 P 852	AC-408‡	1¼	2.00
2x13x7	87 P 829	CB-646†	2	1.54	87 P 883	CB-1194†	2	1.92	87 P 853	AC-409‡	¾	1.67
2½x13½x5	87 PX 207	CB-647†	1¾	1.77	87 PX 320	CB-1198†	1¾	2.17	...	...	...	...
3x15x7	87 PX 208	CB-649†	2	2.00	87 PX 321	CB-1189†	2	2.40	87 PX 340	AC-411**	1½	2.67
3x15x8½	87 PX 209	CB-665†	2½	2.24	87 PX 322	CB-666†	2½	2.71	...	...	...	...
3x17x4	87 PX 210	CB-1068†	2¼	1.80	87 PX 323	CB-1066†	2¼	2.14	87 PX 341	AC-432**	1¼	2.33
2½x17x7	87 PX 211	CB-648†	2½	1.99	87 PX 324	CB-1199†	2½	2.37	...	...	...	...
3x17x7	87 PX 212	CB-757†	1¾	2.15	87 PX 325	CB-758†	1¾	2.59	87 PX 342	AC-423**	1¾	2.75
2½x10x8	87 PX 213	CB-701†	2	1.72	87 PX 326	CB-702†	2	2.02	...	...	...	...
2½x12x8	87 PX 214	CB-703†	2½	1.75	87 PX 327	CB-704†	2½	2.24	...	...	...	...
3x12x8	87 PX 215	CB-759†	1¾	1.85	87 PX 328	CB-760†	1¾	2.34	87 P 907	AC-424**	1½	2.42
2x17x8	87 PX 217	CB-650†	2½	1.70	87 PX 329	CB-774†	2½	2.34	87 PX 345	AC-425**	1½	2.51
3x17x8	87 PX 220	CB-651†	3¼	2.05	87 PX 330	CB 775†	3¼	2.62	87 PX 257	AC-412**	1¾	2.84
3x12x10	87 P 830	CB-652†	3	1.89	87 P 901	CB-1195†	3	2.25	87 P 854	AC-413**	1½	2.67
3x14x10	87 P 831	CB-653†	4	2.04	87 P 902	CB-779†	4	2.44	87 P 908	AC-414**	1¾	2.84
2x17x10	87 PX 221	CB-654†	3¼	2.00	87 PX 284	CB-769†	3¼	2.39	87 PX 346	AC-415**	1¼	2.68
3x17x10	87 PX 222	CB-636†	4	2.00	87 PX 331	CB-1196§	4	3.05	87 PX 347	AC-416**	2	3.17
3x17x10	87 PX 223	CB-655§	5	2.54	87 PX 206	CB-637†	5	2.84	...	...	...	...
3x23x10	87 PX 225	CB-656§	5½	2.86	87 PX 332	CB-1197§	5½	3.42	...	...	...	...
2x17x11	87 PX 227	CB-657§	4½	2.35	87 PX 333	CB-770§	4½	2.81	87 PX 258	AC-426††	2¼	3.42
3x17x11	87 PX 228	CB-658§	4½	2.77	87 PX 280	CB-771§	4½	3.49	87 PX 259	AC-417††	2¾	3.97
2x17x12	87 PX 229	CB-663§	4½	2.44	87 PX 334	CB-661§	4½	3.09	...	...	...	...
3x17x12	87 PX 230	CB-664§	5¼	2.91	87 PX 281	CB-662§	5¼	3.67	87 PX 263	AC-418††	2¾	4.08
2x17x13	87 PX 231	CB-659§	5	2.91	87 PX 282	CB-772§	5	3.72	87 PX 348	AC-419††	2½	3.51
3x17x13	87 PX 232	CB-660§	5½	3.41	87 PX 283	CB-773§	5½	4.07	87 PX 260	AC-420††	2¾	4.26
4x17x10	87 PX 233	CB-640§	6½	2.92	87 PX 335	CB-641§	6½	3.51	87 PX 261	AC-427††	3½	4.51
4x17x13	87 PX 234	CB-642§	7½	3.92	87 PX 336	CB-643§	7½	4.68	87 PX 262	AC-428††	3¾	5.26
5x17x10	87 PX 235	CB-623§	7½	4.51	87 PX 337	CB-624§	7½	5.34	...	...	...	...
5x17x13	87 PX 236	CB-625§	8	4.93	87 PX 338	CB-626§	8	5.93	...	...	...	...

BOTTOM PLATES FOR CHASSIS BASES

Bottom plates to fit the chassis bases listed above. Ideal for shielding. In zinc-plated or black ripple heavy-gauge steel plate and aluminum. Four raised bosses in corners to prevent marring and scratching of table-tops or shelves. Drilled for use with No. 6 self-tapping screws.

Size	Lbs.	Black Wrinkle			Zinc Plated			Aluminum			
		Stock No.	Type No.	EACH	Stock No.	Type No.	EACH	Stock No.	Type No.	Lbs.	EACH
5x7"	½	87 P 654	BP-705	.57	87 P 674	BP-706	.69	87 P 694	BPA-1589	⅛	.74
5x9½"	¾	87 P 655	BP-680	.62	87 P 675	BP-667	.75	87 P 695	BPA-1590	¼	.75
5x10"	¾	87 P 656	BP-536	.67	87 P 676	BP-538	.73	87 P 696	BPA 1591	¼	.75
7x7"	1	87 P 657	BP-681	.92	87 P 677	BP-668	.97	87 P 697	BPA-1592	⅛	.77
7x9"	1	87 P 658	BP-682	.94	87 P 678	BP-669	.99	87 P 698	BPA-1593	⅓	.80
7x11"	1	87 P 659	BP-683	.95	87 P 679	BP-670	1.07	87 P 699	BPA-1594	⅓	.90
7x12"	1¼	87 P 660	BP-537	.99	87 P 680	BP-539	1.12	87 P 700	BPA-1595	½	.97
7x13"	1¼	87 P 661	BP-684	1.02	87 P 681	BP-671	1.20	87 P 701	BPA-1596	½	1.14
5x13½"	1	87 P 662	BP-685	.84	87 P 682	BP-672	1.00	...	...	...	...
4x17"	1½	87 P 663	BP-1069	.84	87 P 683	BP-1067	1.07	...	...	...	...
7x17"	1½	87 P 664	BP-686	.90	87 P 684	BP-673	1.37	...	...	...	...
8x10"	1¼	87 P 668	BP-707	.92	87 P 685	BP-708	1.05	...	...	...	...
8x12"	1½	87 P 665	BP-709	1.06	87 P 686	BP-710	1.34	...	...	...	...
8x17"	1¾	87 P 666	BP-687	.95	87 P 687	BP-674	1.54	...	...	...	...
10x12"	1½	87 P 667	BP-688	.95	87 P 688	BP-675	1.57	...	...	...	...
10x14"	1½	87 P 669	BP-517	1.25	87 P 689	BP-514	1.33	...	...	...	...
10x17"	1¾	87 P 670	BP-689	1.20	87 P 690	BP-676	1.60	87 P 702	BPA-1597	¾	1.52
11x17"	1½	87 P 671	BP-690	1.20	87 P 691	BP-677	1.60	...	...	...	...
12x17"	2	87 P 672	BP-691	1.27	87 P 692	BP-678	1.87	...	...	...	...
13x17"	2¼	87 P 673	BP-692	1.47	87 P 693	BP-679	2.24	87 P 703	BPA-1598	¾	2.07

HEAVY-DUTY STEEL CHASSIS BASES

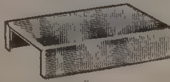


Rugged chassis bases. Formed of one-piece heavy 1/16" steel. Corners spot welded and sides folded over at bottom. Electro-zinc plated. With bottom plates and screws.

Stock No.	Type	H.W.D.	Lbs.	EA.
87 PX 275	CB-1765	3x17x8"	7½	4.76
87 PX 276	CB 1767	3x17x11"	9	4.84
87 PX 277	CB-1768	2x17x13"	9½	5.34
87 PX 278	CB-1769	3x17x13"	10	5.43
87 PX 349	CB-1770	4x17x13"	11	5.85

OPEN-END ALUMINUM CHASSIS

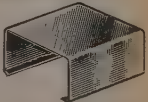
Heavy-gauge. U-shaped construction with ends folded over 3/8". For cabinets listed in table. Av. wt., 1½ lbs.



Stock No.	Type	H.W.D.	For	EACH
87 P 801	CB-30	1½x7x5"	...	.97
87 P 802	CB-41	1½x7x7"	C-973	1.24
87 P 804	CB 996	1½x9x5½"	C-993	1.09
87 P 805	CB-976	1½x9x7½"	C 999, CD-1481	1.40
87 P 807	CB-997	1½x11x7"	C-994, CD-1482	1.30
87 P 808	CB-998	1½x13x7"	C-995, CD 1483	1.59
87 P 800	CB-38	2x6x7"	C 1581	1.00
87 P 803	CB-39	2x8x7"	C-1585	1.17
87 P 806	CB-40	2x10x7"	C 1586	1.37

MINIATURE ALUMINUM CHASSIS

Open-end aluminum chassis for limited space applications. For use with Bud cabinets listed in table below. Have 1/4" mounting flanges. Av. shpg. wt., ½ lb.

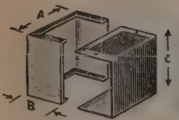


Stock No.	Type	H.W.D.	For	EA.
87 P 810	CB-1624	1x3⅛x1¾"	CU-883	42¢
87 P 816	CB 1617	1x3⅛x4"	C-1606	41¢
87 P 812	CB-1626	1x4⅛x2¾"	CU-728	45¢
87 P 817	CB-1618	1x4⅛x4"	C-1607	50¢
87 P 818	CB-1619	1x5⅛x4"	C-1608	53¢
87 P 819	CB-1620	1x6⅛x4"	C-1609	55¢
87 P 809	CB-1623	1¼x2¾x2⅝"	...	38¢
87 P 814	CB-1628	1¼x6⅛x3"	C-1788	53¢
87 P 813	CB 1627	1½x4⅛x3¾"	CU-729	45¢
87 P 815	CB 1629	1½x4⅛x5¼"	CU-1098	57¢
87 P 811	CB 1625	2x4½x3¼"	C-1788	48¢

See Following Page for More Listings of Bud Metal Products

Bud Metal Products

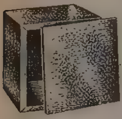
ALUMINUM MINIBOXES



Two-piece aluminum boxes with gray hammertone or natural aluminum finish. Particularly suited for sub-assemblies. May be used for amplifiers, converters, TVI filters, test units, etc. Two-piece construction permits easy access to circuitry. Flanges assure low RF leakage and high rigidity. Dual-purpose snap locks permit quick assembly and disassembly; also permit use with self-tapping screws (supplied).

Size AxCxB	Shpg. Wt., Lbs.	Gray Hammertone	Type CU-	EACH	Natural Aluminum	Type CU-	EACH
2¾x2⅛x1⅝"	¼	87 P 616	2100A	.74	87 P 634	3000A	.59
3¼x2⅛x1⅛"	¼	87 P 633	2117A	.78	87 P 651	3017A	.62
3¼x2⅛x1⅝"	¼	87 P 617	2101A	.76	87 P 635	3001A	.61
4x2x2¾"	¼	87 P 631	2115A	.92	87 P 649	3015A	.74
4x2⅛x1⅝"	¼	87 P 618	2102A	.80	87 P 636	3002A	.64
4x2¼x2¼"	¼	87 P 619	2103A	.90	87 P 637	3003A	.72
4¼x2¼x1½"	¼	87 P 632	2116A	.92	87 P 650	3016A	.74
5x2¼x2¼"	¼	87 P 620	2104A	.95	87 P 638	3004A	.76
5x4x3"	½	87 P 621	2105A	1.20	87 P 639	3005A	.96
5¼x3x2⅛"	¼	87 P 622	2106A	1.02	87 P 640	3006A	.82
6x5x4"	¾	87 P 623	2107A	1.50	87 P 641	3007A	1.20
7x5x3"	¾	87 P 624	2108A	1.65	87 P 642	3008A	1.32
8x6x3½"	1	87 P 625	2109A	2.10	87 P 643	3009A	1.68
10x2x1⅝"	½	87 P 629	2113A	1.20	87 P 647	3013A	.96
10x6x3½"	1¼	87 P 626	2110A	2.35	87 P 644	3010A	1.88
12x2½x2¼"	¾	87 P 630	2114A	1.55	87 P 648	3014A	1.24
12x7x4"	1¾	87 P 627	2111A	3.20	87 P 645	3011A	2.56
17x5x4"	2¼	87 P 628	2112A	3.20	87 P 646	3012A	2.56

UTILITY CABINETS

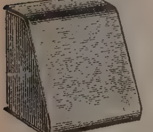


Metal utility cabinets for all types of electronic equipment. Excellent for housing receivers, monitors, VFO's, test equipment, frequency meters, transmitters, etc. Well adapted for shielding of high gain preamplifiers, RF sections, other special circuits. Two removable panels attach to flanges with self-tapping screws. *Gray.

Size, H.W.D.	Mfr's Type	Wt., Lbs.	Stock No. Black Steel	Stock No. Gray Steel	EACH
4x4x2"	CU883	¾	87 P 856	87 P 606	1.09
4x5x3"	CU728	⅞	87 P 857	87 P 607	1.22
6x5x4"	CU729	1¼	87 P 858	87 P 608	1.38
6x6x6"	CU1098	2½	87 P 859	87 P 609	2.09
9x6x5"	CU1099	3	87 P 860	87 P 610	2.34
10x8x7"	CU879	5	87 P 861	87 P 611	3.34
10x10x8"	CU880	5½	87 P 863	87 P 613	4.01
12x7x6"	CU1124	4	87 P 862	87 P 612	3.29
12x11x8"	CU881	6	87 P 864	87 P 614	4.34
15x9x7"	CU882	7½	87 P 865	87 P 615	4.51

Size, H.W.D.	Mfr's Type	Wt., Lbs.	Natural Aluminum	EACH	*Hammertone Aluminum	EACH
4x4x2"	AU-1083	¼	88 P 543	1.29	88 P 548	1.50
4x5x3"	AU-1028	¼	88 P 544	1.37	88 P 549	1.67
6x5x4"	AU-1029	½	88 P 545	1.50	88 P 550	1.84
6x6x6"	AU-1039	¾	88 P 546	2.17	88 P 551	2.42
9x6x5"	AU-1040	1	88 P 547	2.51	88 P 552	2.84

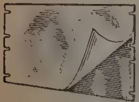
UNIVERSAL SLOPING-PANEL CABINETS



Versatile, streamlined sloping-panel cabinets available in steel or aluminum. Offer enough space to house a two or three miniature tube amplifier or gadget. Sides and one-piece detachable back fasten to the body with self-tapping screws for easy service and replacement of components. Fully enclosed to exclude dust and moisture. Easily accommodate most small chassis. All units are 4" high, 4¼" deep. Finished in attractive, gray hammertone finish.

Width	Steel Stock No.	Type C-	Shpg. Wt., Lbs.	EA.	Aluminum Stock No.	Type AC-	Shpg. Wt., Lbs.	EA.
4"	88 P 642	1606	¾	1.45	88 P 646	1610	½	1.68
5"	88 P 643	1607	¾	1.55	88 P 647	1611	½	1.75
6"	88 P 644	1608	1⅛	1.65	88 P 648	1612	¾	1.90
7"	88 P 645	1609	1⅛	1.90	88 P 649	1613	¾	2.10

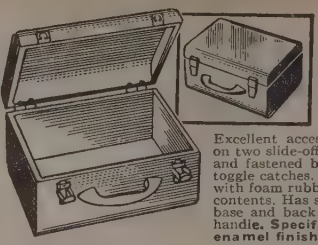
SHIELDED-SURFACE RACK PANELS



⅛" thick, naturally bright aluminum alloy relay rack panels in blemish-free mill finish. Covered on both sides with sturdy, pressure sensitive white paper to protect against damage. Paper is excellent surface on which to mark panel for hole-cutting and drilling. 19" wide; standard notching.

Height	Shpg. Wt., Lbs.	Mfr's Type	Stock No.	EACH
1¾"	¼	SFA-1831	88 PX 662	.97
3½"	¾	SFA-1832	88 PX 663	1.34
5¼"	1	SFA 1833	88 PX 664	1.80
7"	1¾	SFA-1834	88 PX 665	2.21
8¾"	2	SFA-1835	88 PX 666	2.66
10½"	2½	SFA-1836	88 PX 667	3.34
12¼"	2¾	SFA-1837	88 PX 668	3.85
14"	3	SFA-1838	88 PX 669	4.45
15¾"	3½	SFA-1839	88 PX 670	4.97
17½"	4	SFA-1840	88 PX 671	5.47
19¼"	4¼	SFA-1841	88 PX 672	5.99
21"	5	SFA-1842	88 PX 673	6.50

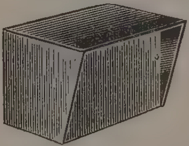
NEW TRANSICASE



Impressive-looking portable instrument case. Excellent for many types electrical or electronic devices. Made of .040" thick aluminum with flush-fitting aluminum panel and modern contoured shape. Excellent accessibility—lid is mounted on two slide-off chromium-plated hinges and fastened by chromium-plated slide toggle catches. Inside of lid is cushioned with foam rubber for extra protection of contents. Has small rubber feet on both base and back; chrome-plated carrying handle. **Specify smooth blue or gray enamel finish.**

Size H.W.D.	Wt., Lbs.	Stock No.	Mfr's Type	EACH
6x10x7"	3¾	87 P 584C	TC-300	24.95
6x11½x8¼"	4½	87 P 586C	TC-301	25.50
7½x13x9"	6	87 P 588C	TC-302	26.00
7½x16x9"	8	87 P 589C	TC-303	26.50
9x20x8"	10	87 P 590C	TC-304	27.90

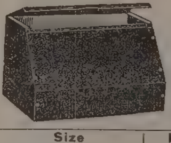
ALUMINUM COWL-TYPE MINIBOXES



Bud's cowl-type miniboxes. Attractively styled; easily drilled or punched. Have projecting cover which reduces glare on the panel from overhead lighting. Also provide protection for knobs, switches, and meter faces. May be used for housing receivers, transmitters, test equipment, etc. Cover has two ½" box braces to which bottom is attached with #6 sheet metal screws provided. This construction results in a sturdy, rigid housing. All are made of long-lasting, 18-gauge aluminum. Choice of handsome, gray hammertone finish or natural aluminum finish.

Size H.W.D.	Shpg. Wt., Lbs.	Gray Hammertone	Type SC-	EACH	Natural Aluminum	Type SC-	EACH
6x10x7"	1¼	88 PX 684	2130	5.95	88 PX 688	3030	4.30
7x12x8"	1½	88 PX 685	2131	6.50	88 PX 689	3031	4.70
3x8x6"	1	88 P 686	2132	3.45	88 P 690	3032	2.45
5x5x5"	1	88 P 687	2133	3.60	88 P 691	3033	2.60

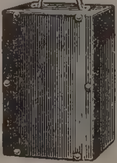
SLOPING-PANEL CABINETS



Sloping-panel steel cabinets with hinged top for easy access to tubes and top-of-chassis components. Removable front panel permits easy attachment of chassis. Fit following sized chassis: Type C-1584, 7x6x2"; Type C-1585, 7x8x2"; Type 1586, 7x10x2"; Type C-1587, 7x7x2"; Type C-1588, 7x9x2"; Type C-1892, 8x12x2½"; Type C-1893, 10x17x3"; Type C-1894, 7x13x2"; Type C-1896, 7x17x3". **Specify black wrinkle or light gray hammertone.**

Size H.W.D.	Mfr's Type	Wt., Lbs.	Stock No.	EACH
6½x7¹⁄₁₆x7⁷⁄₃₂"	C-1584	2½	87 P 466C	3.30
6½x9¹⁄₁₆x7⁷⁄₃₂"	C-1585	3	87 P 467C	3.75
6½x11¹⁄₁₆x7⁷⁄₃₂"	C-1586	3½	87 P 468C	4.34
8x13¹⁄₁₆x8¹³⁄₃₂"	C-1892	5¼	87 PX 469C	5.95
10x18¹⁄₁₆x10¹³⁄₃₂"	C-1893	8½	87 PX 470C	7.85
8x8¹⁄₁₆x7¹⁵⁄₁₆"	C-1587	2¾	87 P 471C	4.51
8x10¹⁄₁₆x7¹⁵⁄₁₆"	C-1588	3¼	87 P 472C	5.01
8x14¹⁄₁₆x7¹⁵⁄₁₆"	C-1894	4	87 PX 474C	5.34
9x18¹⁄₁₆x8¹⁄₁₆"	C-1896	7	87 PX 475C	7.68

ALUMINUM AND STEEL CARRYING CASES



Ideal housings for portable transceivers, test instruments, power supplies, radio-control units, field strength meters, phono oscillators, etc. Ruggedly constructed to withstand hard usage. Front and back panels mount with self-tapping screws. Panels are easily removable to provide access to interior; can be used for mounting components such as meters, relays, transformers, power resistors, etc. Available in either welded steel for maximum strength, or in aluminum for light weight. Steel units in black wrinkle or gray hammertone finish; aluminum units in natural, or gray hammertone finish.

PORTABLE STEEL CASES

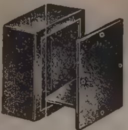
Size H.W.D.	Mfr's Type	Wt., Lbs.	Stock No. Black	Stock No. Gray	EACH
9x6x5"	CC-1095	3¼	87 P 838	87 P 842	3.01
6x9x5"	CC-1091	3¼	87 P 839	87 P 843	3.01
12x7x6"	CC-1096	4	87 P 840	87 P 844	4.18
7x12x6"	CC-1092	4	87 P 841	87 P 845	4.18
15x7¾x7"	CC-1097	5	87 PX 247	87 PX 250	4.68
10x10x8"	CC-1100	5	87 PX 248	87 PX 251	4.84
9x15x7"	CC-1093	5	87 PX 249	87 PX 252	5.85

PORTABLE ALUMINUM CASES

Size H.W.D.	Mfr's Type	Wt., Lbs.	Stock No. Natural	EACH	Stock No. Gray	EACH
9x6x5"	ACC-2095	1⅛	88 P 567	3.09	88 P 571	3.51
6x9x5"	ACC-2091	1⅛	88 P 565	3.09	88 P 569	3.51
12x7x6"	ACC 2096	1⅓	88 PX 568	4.50	88 PX 572	5.09
7x12x6"	ACC-2092	1⅓	88 PX 566	4.50	88 PX 570	5.09

Bud Metal Products

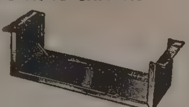
MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS



Sturdily-made, unusually compact, steel utility cabinets with a built-in chassis attached to the front panel. Especially suitable for standing-wave bridges, frequency meters, small transistorized receivers, code practice oscillators, decade boxes, crystal sets, and many other types of small, self-contained units. Removable front and rear panels fastened with self-tapping screws permit easy access to components. 22-ga. body; 20-ga. panel; 18-ga. chassis. Black-wrinkle enamel finish.

Stock No.	Mfr's Type	Cabinet H.W.D.	Chassis H.W.D.	Wt., Lbs.	EACH
87 P 600	C-1793	4x4x2"	1x3⅛x1⅞"	¾	1.34
87 P 601	C-1794	4x5x3"	1x4⅛x2⅞"	1	1.48
87 P 602	C-1795	5x4x3"	1¼x3⅛x2⅞"	1	1.62
87 P 603	C-1796	6x5x4"	1¾x4⅛x3⅞"	1¾	1.70
87 P 604	C-1797	5x6x4"	1¼x5⅛x3⅞"	1¾	1.92
87 P 605	C-1798	6x6x6"	1¾x4⅞x5⅞"	2¾	2.17

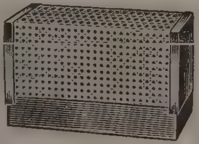
PANEL-MOUNTING CHASSIS



Ideal for vertical chassis installation where space in depth is limited or front service is desired. Open-side chassis for standard 19" mounting. .062" aluminum with reinforced corners. 1" flange on ends, with 4 elongated holes for mounting to any rack with std. panel notching. All other edges have ⅝" flanges. All models 17" wide, excluding flange, and 5 9/32" deep.

Stock No.	Type	Height	Lbs.	EACH
87 PX 265	CB-1370	1¾"	3	2.30
87 PX 266	CB-1371	3½"	5	2.59
87 PX 267	CB-1372	5¼"	6	2.84
87 PX 268	CB-1373	7"	6	3.26
87 PX 269	CB-1374	8¾"	6	3.76
87 PX 270	CB-1375	10½"	7	4.43
87 PX 271	CB-1376	12¼"	8	4.84
87 PX 272	CB-1377	14"	8	5.34

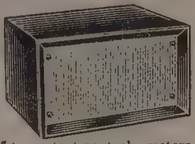
STANDARD AMPLIFIER FOUNDATIONS



Ideal for most amplifier requirements. Foundations consist of regular steel chassis with metal covers. Solid pieces are used on ends of each cover for bracing and a snug fit to chassis. Heavy-gauge metal screening assures proper protection and ventilation of components. Metal handles provide portability. Types CA-699, CA-1125, and CA-1126 have 2½" high chassis; Type CA-1128 has 3" high chassis. Cover, ends, and chassis are 20-ga. steel. Black wrinkle finish.

Stock No.	Type	H.W.D.	Lbs.	EACH
87 PX 244	CA-699	8 5/16x9⅝x5⅛"	3	5.61
87 PX 245	CA-1125	8 5/16x13⅝x5⅛"	7	6.43
87 PX 246	CA-1126	8 5/16x17⅛x7⅛"	11	7.26
87 PX 242	CA-1128	8 13/16x12⅛x10⅛"	11	7.52

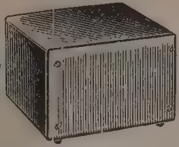
SHADOW CABINETS



Versatile housing for amplifiers, test equipment, etc. Both front panels as well as the bottom may be removed for installation and servicing purposes. Front panel is recessed 1" to protect controls, meters, etc. Recessed panel and bevelled front edges of cabinet provide attractive appearance. Body constructed of 18-gauge steel, panels of 16-gauge steel. Rubber feet attached to bottom of cabinet prevent marring of the surface on which it may be placed. Finished in attractive, light gray hammertone.

Stock No.	Mfr's Type	Size H.W D.	Use Bud Chassis	Wt., Lbs.	EACH
87 PX 253	SB-2140	8x14½x10"	AC-424	15	6.50
87 PX 254	SB-2141	7½x13¼x9"	AC-407	15	5.00
87 PX 255	SB-2142	9½x17x11"	CB-666	20	8.85
87 PX 256	SB-2143	6x15½x9"	AC-409	14	4.85

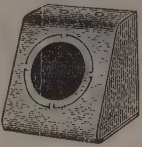
UTILITY CABINETS



Attractive housing with rounded corners. All constructed of 20 gauge steel. Front and rear panels removable; rear panel louvered for ventilation. 4 rubber feet. Body finished in dark gray enamel, panels in light gray enamel.

Stock No.	Mfr's Type	Size H.W.D.	Wt., Lbs.	EACH
88 P 692	CU-463	4 7/32x6 7/32x3¾"	1¾	5.50
88 P 693	CU-465	4 7/32x6 7/32x5¾"	2¼	6.35
88 P 694	CU-585	5 7/32x8 7/32x5¾"	3	8.35
88 P 695	CU-587	5 7/32x8 7/32x7¾"	3¾	9.10
88 P 696	CU-7125	7 7/32x12 7/32x5¾"	5	9.70
88 P 697	CU-7127	7 7/32x12 7/32x7¾"	6	10.35

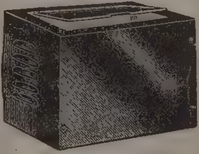
UNIVERSAL METER CASES



For use with 2" or 3" meters. With front panel for 2" meter. Knockout ring enlarges hole for a 3" meter. Have one-piece back and side attached with 4 screws. Top has two ⅜" knockouts for terminal posts or feed-throughs. Steel or aluminum; gray Hammertone 4½x4x4".

Stock No.	Type	Material	Lbs.	EA.
88 P 541	CM 1935	Steel	1	1.22
88 P 542	CMA 1936	Aluminum	¾	1.47

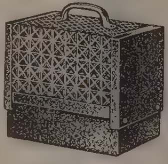
INSTRUMENT AND RECEIVER CABINETS



Ruggedly constructed steel cabinets. Have recessed hinged cover for easy access. Front panel is held securely in place with self-tapping screws. Panel extends full width of cabinet—provides maximum space. Louvers for ventilation. 20-ga. body; 18-ga. panel, except *16-ga. Black wrinkle finish.

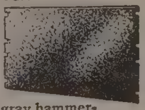
Stock No.	Type	H.W.D.	Lbs.	EA.
87 P 652	C-973	7x8x8"	8	4.18
87 P 653	C-993	7x10x8"	8	4.84
87 PX 200	C-994	7x12x8"	10	5.01
87 PX 201	C-995	7x14x8"	12	5.26
87 PX 202	*C-1190	8x16x8"	13	7.60
87 PX 203	*C-975	9x15x11"	18	9.19
87 PX 205	*C-999	12x18x12"	22	9.92

MINIATURE AMPLIFIER FOUNDATION



Type CA-1754. Meets the requirements of builders employing miniaturized components. Chassis is only 2" high, 7" wide, and 5" deep. With cover fastened in place, entire unit stands only 6" high! All-steel construction. Removable cover includes a carrying handle. Cover is heavily perforated. All-steel construction—20-ga. cover; 22-ga. chassis. Black wrinkle finish. 1½ lbs.
87 P 866 .... 4.00

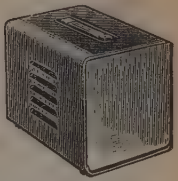
STANDARD RACK PANELS



Heavy-duty rack panel constructed of ⅛" aluminum. All are 19" in width and have notched edges to fit mounting standard telephone type relay racks. Specify smooth gray, black wrinkle, gray wrinkle or gray hammertone finish.

Stock No.	Height	Wt., Lbs.	EACH
87 PX 408C	1¾"	2	1.09
87 PX 409C	3½"	3	1.42
87 PX 410C	5¼"	3	1.92
87 PX 411C	7"	4	2.42
87 PX 417C	8¾"	5	2.84
87 PX 418C	10½"	6	3.59
87 PX 419C	12¼"	7	4.09
87 PX 420C	14"	8	4.76
87 PX 421C	15¾"	8	5.34
87 PX 422C	17½"	9	5.85
87 PX 423C	19¼"	9	6.43
87 PX 424C	21"	10	7.01

"PORTACAB" CABINETS



One Piece Aluminum Construction

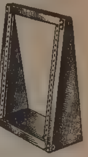
Flexible Recessed Handles for Stacking

Well-Louvered for Adequate Ventilation

Recommended as housings for instrumentation requiring highly stylized appearance. The body is one-piece .050" aluminum with contoured corners. Panel is .062" aluminum. Flexible recessed handle permits easy portability as well as vertical stacking. Louvers point inward permitting side-to-side placement without loss of space. Welded back has opening. Four detachable rubber feet are provided. Finished in gray hammertone.

Stock No.	Mfr's. Type	Size H.W.D.	Use Bud Chassis	Wt., Lbs.	EACH
88 PX 227	WA-1540	8x6⅛x8"	AC-402	7	9.20
88 PX 226	WA-1541	9x8⅛x12"	AC-407	8	12.00
88 PX 228	WA-1542	8x10⅛x8"	AC-406	7	10.65
88 PX 229	WA-1543	11x11⅛x18"	AC-416	11	13.50
88 PX 233	WA-1544	12x14⅛x18"	AC-420	12	15.50

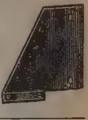
DESK-TYPE RACKS



A strong, steel chassis ideal for mounting heavy components. Perfect for table mounting of low and medium power transmitters, P.A. systems, and other electronic equipment. Designed for use with standard 19" panels. No exposed edges. With hardware. Gray hammertone finish.

Stock No.	Mfr's Type	Panel Ht.	Overall Size	Wt., Lbs.	EACH
87 PU 309	RR-1248	21"	24x20⅜x12"	20	9.10
87 PU 311	RR-1249	28"	31x20⅛x12"	22	11.19

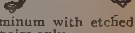
CHASSIS MOUNTING BRACKETS



An excellent accessory for adapting racks and cabinets to specific needs. A rugged, top-quality bracket formed from 16-gauge steel. Cut away at the bottom to provide clearance for a chassis 3" high except *4" high. Finished in black enamel. Slotted holes for easy adjustment. Av. wt., 5 lbs.

Stock No.	Type	Ht.	Depth	Per Pair
87 P 868	MB-458	6½"	8"	1.09
87 P 869	MB-448	6½"	10"	1.35
87 P 867	MB-459	6½"	11"	1.50
87 P 870	MB-449	6½"	12"	1.75
87 P 873	MB-460	6½"	13"	1.69
87 P 871	MB-450	*8½"	10"	1.97
87 P 872	MB-451	*8½"	13"	2.09

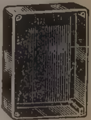
UTILITY HANDLES



Strong handles with comfortable grip. Ideal for mounting on cabinets to afford portability. Made of tubular aluminum with etched finish. Shpg. wt., 2 oz. In pairs only.

Stock No.	Type	Lgth.	Mtg. Ctr.	PAIR
87 P 893	UH-70A	5⅛"	4⅝"	72¢
87 P 894	UH-71A	3¾"	3¼"	60¢

PLASTIC CASES AND PANELS



Molded black plastic cases and panels designed for test instrument mounting. Sturdily constructed to protect components. Recessed bosses for flush mounting of panels. Drilled for ½" No. 6 self-tapping screws except *tapped for 4-36x½" screws. Walls and panels are ⅛" thick.

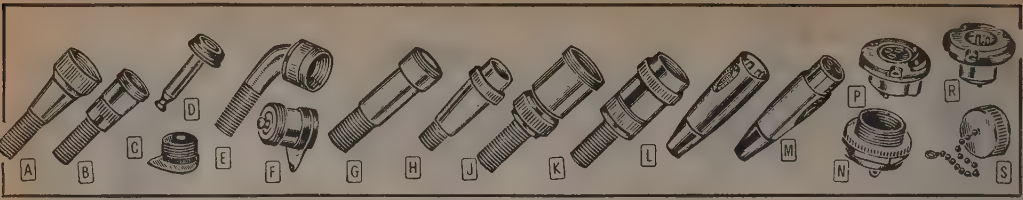
CASES

Stock No.	Size H.W.D.	Wt., Lbs.	EACH
87 P 895	*2⅞x4x1 9/16"	1	37¢
87 P 885	6¼x3¾x2"	1½	66¢
87 P 886	6 13/16x5 9/32x2 5/16"	2	84¢

MATCHING PANELS

Stock No.	Size H.W.D.	Wt., Lbs.	EACH
87 P 887	6x3½"	½	48¢
87 P 888	6½x5"	1	60¢

Amphenol Microphone and RF Cable Connectors



MICROPHONE CONNECTORS

Most microphones listed in this catalog are supplied less connector. Choose from this complete selection of Amphenol connectors—you'll find one to meet any application. Precision construction assures connections free from noise, leaks or shorts. Cable plugs are equipped with spring-type cord protectors. When splicing 2 cords, use one 75-MC1F and one 75-MC1M connector for a strong, reliable joint.

SERIES 75 SINGLE-BUTTON CONTACT TYPES

Standard connectors 5/8", 27 threads; *3/8" mounting holes. †Indicates miniature connectors that are approximately half the size and weight of standard counterparts with same specifications. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EA.
41 H 958	75-MC1F	A	Cable plug	.46
41 H 955	75-MC1M	B	Cable plug	.42
41 H 965	*75-PC1M	C	Chassis receptacle, non-shorting	.37
41 H 962	75-MC1P	D	Phone plug adapter	.50
41 H 959	75-MC1FA	E	90° angle cable jack	1.28
41 H 967	*75-CL-PC1M	F	Chassis receptacle, closed circuit	.52
42 H 658	†75-1	A	Straight plug	.48
42 H 659	†75-2	B	Cable jack	.29
42 H 660	†75-3	F	Locknut receptacle	.33

SERIES 80 SINGLE- AND DOUBLE-PIN CONTACT TYPES

For shielded cables, single and two-conductor coax, etc Center contacts are pin and socket type *Single-contact type †Polarized, double-contact. Mount in 5/8" hole with max. panel thickness of 11/32". Av. wt., 3 oz.

42 H 084	*80-C	N	Female chassis receptacle	60¢
42 H 661	*80-C1	N	Male chassis receptacle	60¢
42 H 080	*80-F	G	Female cable jack	56¢
42 H 662	*80-F1	H	Female cable plug	66¢
42 H 081	*80-M	H	Male cable plug	64¢
42 H 663	*80-M1	G	Male cable jack	52¢
42 H 082	†80-MC2F	G	Female cable jack	62¢
42 H 664	†80-MC2F1	H	Female cable plug	70¢
42 H 083	†80-MC2M	H	Male cable plug	68¢
42 H 665	†80-MC2M1	G	Male cable jack	52¢
42 H 085	†80-PC2F	N	Female chassis receptacle	60¢
42 H 666	†80-PC2M	N	Male chassis receptacle	60¢

S **Type 75-CCC1 Cap and Chain.** Seals open chassis units against dirt and dust. Chain has eye for securing to panel. Used with both series 75 and 80 receptacles. Shpg. wt., 3 oz.
40 H 381. .... 44¢

SERIES 91 3- AND 4-CONTACT TYPES

For portable equipment. Polarized. Clamps eliminate stress on soldered connections. *3-contact type. †4-contact. Panel 1/8" thick, max. Receptacles mount in 27/32" hole. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EACH
41 H 970	*91-MC3F	J	Female cable jack	84¢
42 H 667	*91-MC3F1	K	Female cable plug	92¢
41 H 971	*91-MC3M	K	Male cable plug	88¢
42 H 668	*91-MC3M1	J	Male cable jack	80¢
41 H 972	*91-PC3F	N	Female chassis receptacle	72¢
42 H 669	*91-PC3M	N	Male chassis receptacle	82¢
41 H 977	†91-MC4F	J	Female cable jack	90¢
42 H 670	†91-MC4F1	K	Female cable plug	98¢
41 H 976	†91-MC4M	K	Male cable plug	90¢
42 H 672	†91-MC4M1	J	Male cable jack	82¢
41 H 978	†91-PC4F	N	Female chassis receptacle	74¢
42 H 673	†91-PC4M	N	Male chassis receptacle	82¢

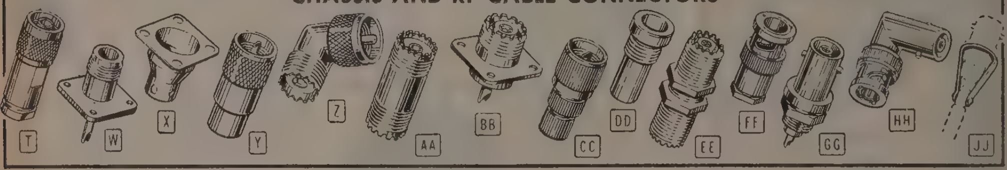
S **Type 91-CCC3 Cap and Chain.** Protects chassis jacks from dust. Used for series 91 microphone connectors. Shpg. wt., 3 oz.
42 H 674. .... 38¢

SERIES 91 "QUIK" 3- AND 4-CONTACT TYPES

Push together; released by slight pressure on lock button. Gold-plated (over silver) bronze contacts. Incorrect insertions are impossible because connectors are polarized. Satin nickel-plated, zinc-alloy shells. *3-contact type. †4-contact type. Av. shpg. wt., 3 oz.

42 H 065	*91-853	L	Male cable plug	1.34
42 H 066	*91-854	M	Female cable plug	1.54
42 H 067	*91-855	R	Male chassis receptacle	1.00
42 H 068	*91-856	P	Female chassis receptacle	2.23
42 H 069	†91-857	L	Male cable plug	1.42
42 H 070	†91-858	M	Female cable plug	1.96
42 H 071	†91-859	R	Male chassis receptacle	1.04
42 H 072	†91-860	P	Female chassis receptacle	2.29

CHASSIS AND RF CABLE CONNECTORS



Series 31 BNC Coaxial Connectors. Small weather proof connector with bayonet coupling. Low-voltage, single contact. *For 50-ohm RG-55/U and RG-58/U cables. †For 70-ohm RG-59/U, FG-62/U and RG-71/U. Plugs mate with 31-003 or jacks. Av. shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	EACH
40 H 391	UG-88/U	31-002*	FF	Plug	.87
42 H 476	UG-88B/U	31-018*	FF	Plug	.93
42 H 477	UG-88CU	31-202*	FF	Plug	.77
40 H 393	UG-89/U	31-005*	GG	Jack	.95
40 H 396	UG-260/U	31-012†	FF	Plug	.93
40 H 397	UG-261/U	31-015†	GG	Jack	.98
40 H 395	UG-262/U	31-011†	.....	Panel Jack	1.01
40 H 392	UG-290/U	31-003*	.....	Receptacle	.80
40 H 399	UG-291/U	31-001*	.....	Panel jack	1.00
40 H 394	UG-306/U	31-009	HH	Adapter, Right-Angle	2.06
40 H 398	UG-657/U	31-102	GG	Receptacle	1.30
42 H 491	UG-1094/U	31-221	GG	Receptacle	.93
42 H 496	....	31-759	JJ	Shield Grounding Lug	.07

Series 82 N Coaxial Connectors. Low-voltage. 70 ohms. 3 oz.

40 H 313	UG-21B/U	82-61	T	Plug	1.50
40 H 312	UG-58/U	82-24	W	Receptacle	.96
42 H 116	UG-536/U	34000	T	Plug	1.79

Series 83 UHF Coaxial Connectors. Small single contact. Widely used for RF applications. All exposed metal is silver plated for superior performance. Shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	EACH
40 H 357	UG-106/U M-360, 49193	83-1H	X	Hood	.32

Series 83 UHF Coaxial Connectors (Cont'd).

Stock No.	Military No.	Type	Fig.	Description	EA.
42 H 450	UG-111/U	83-750	T	Plug	.70
40 H 360	UG-175/U	83-185	DD	Adapter, Reducing	.12
40 H 359	UG-176/U	83-168	.....	Adapter, Reducing	.12
40 H 351	UG-177/U	83-765	X	Hood	.26
40 H 356	UG-363/U	83-1F	EE	Adapter, Bulkhead	1.80
40 H 353	UG-646/U	83-1AP	Z	Adapter, Right Angle	1.50
40 H 354	M-358, 49199	83-1T	.....	"T" adapter	2.38
40 H 355	PL-258, 49191	83-1J	AA	Straight adapter	.88
40 H 350	PL-259, 49190	83-1SP	Y	For RG/U 8, 9, 10, 11, 12, 13, 63, 65	.48
40 H 352	SO-239, 49194	83-1R	BB	Receptacle chassis type	.48
42 H 454	PL-259A,49195	83-756	T	Plug	.92
42 H 453	SO-239A	83-798	BB	Receptacle	1.06
42 H 457	PL-259, 49190	83-822	T	Plug	.96
40 H 361	UG-102/U	83-22SP	.....	Plug	1.24
40 H 362	UG-103/U	83-22R	.....	Receptacle	1.56

Solderless Type UHF Plug Connectors. Av. shpg. wt., 3 oz.

40 H 509	....	83-850	CC	Plug for RG/U 11	2.30
40 H 510	....	83-851	CC	Plug for RG/U 8, 9, 10, 11, 12, 13, 63, 65	1.68

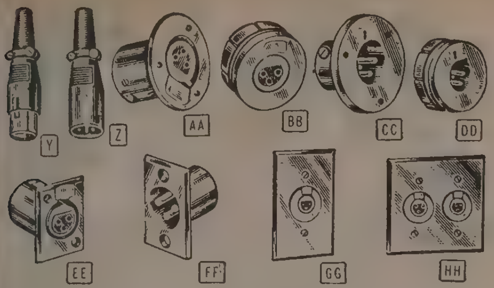
"BETWEEN-SERIES" ADAPTERS

Provide connection between various RF connector series Non-constant impedance matching, but minimize electrical resistance. Av. shpg. wt., 3 oz.

Stock No.	Military No. UG-	Mfr's Type	EACH	Stock No.	Military No. UG-	Mfr's Type	EACH
42 H 480	201/U	31-830	2.10	42 H 617	565A/U	82-540	3.69
42 H 615	201A/U	31-216	2.24	40 H 046	....	27-28	1.45
40 H 493	273/U	31-028	1.52	42 H 618	....	27-41	6.59
42 H 484	349A/U	31-217	2.20	42 H 565	146/U	4400	2.72
42 H 616	564/U	82-508	2.29	42 H 566	255/U	2900	2.38

Switchcraft, Cannon, and Lab-Tronics Connectors

CANNON XLR AUDIO CONNECTORS



Audio connectors with clamp and resilient socket insulator. Minimize mechanical interference and reduce noise. Feature satin-nickel finish, integral cable clamp, neoprene cable relief and push-action latchlock. First number in Type column indicates number of contacts. -2G in Type No. indicates 2 gang. 3-contact types rated at 15 amps; 4-contact types rated at 10 amps. *Wall-type receptacles; †panel-type receptacles. ‡Indicates steel shell, others are die-cast zinc. Av. shpg. wt., 4 oz.

STRAIGHT CORD PLUGS

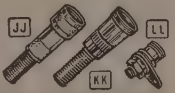
Stock No.	Mfr's Type	Fig.	Description	EACH
40 H 790	XLR-3-11C	Y	Female (socket insert)	1.29
41 H 212	XLR-4-11C	Y	Female (socket insert)	1.64
40 H 983	XLR-3-11SC‡	Y	Female (socket insert)	3.49
40 H 984	XLR-4-11SC‡	Y	Female (socket insert)	3.55
40 H 791	XLR-3-12C	Z	Male (pin insert)	1.13
41 H 213	XLR-4-12C	Z	Male (pin insert)	1.20
40 H 985	XLR-3-12SC‡	Z	Male (pin insert)	2.68
40 H 986	XLR-4-12SC‡	Z	Male (pin insert)	2.87

WALL AND PANEL RECEPTACLES

Stock No.	Mfr's Type	Fig.	Description	EACH
41 H 214	XLR-3-13†	AA	Female (socket insert)	1.85
41 H 215	XLR-4-13†	AA	Female (socket insert)	1.93
41 H 216	XLR-3-13N†	BB	Female (socket insert)	2.14
41 H 217	XLR-4-13N†	BB	Female (socket insert)	2.20
41 H 218	XLR-3-14*	CC	Male (pin insert)	.83
41 H 219	XLR-4-14*	CC	Male (pin insert)	.87
41 H 223	XLR-3-14N†	DD	Male (pin insert)	1.73
41 H 224	XLR-4-14N†	DD	Male (pin insert)	1.87
40 H 792	XLR-3-31*	EE	Female (socket insert)	1.93
41 H 225	XLR-4-31*	EE	Female (socket insert)	1.99
40 H 793	XLR-3-32*	FF	Male (pin insert)	1.10
41 H 226	XLR-4-32*	FF	Male (pin insert)	1.22
40 H 987	XLR-3-35*	GG	Female (socket insert)	4.03
40 H 988	XLR-3-35-2G*	HH	Female (socket insert)	7.42

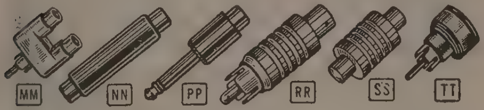
SWITCHCRAFT MINI-CON MINIATURE CONNECTORS

About one-half size of standard mike connectors. For use with single-conductor shielded cables to 3⁄16″ O.D. Nickel-plated brass bodies. Coupling ring on 5501F removable for quick change of female to male type. Cable-braid spring clamped to body by hollow set screw. *5501MP mounts in 3⁄16″ hole. Av. shpg. wt., 2 oz.



Stock No.	Type	Fig.	Desc.	EA.
44 H 920	5501F	JJ	Female	36¢
44 H 925	5501M	KK	Male	27¢
44 H 927	5501MP	LL	Male*	21¢

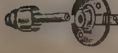
LAB-TRONICS JACK ADAPTERS, CONNECTORS



Type C400 allows rapid connection of two lines with pin plug ends. P55A allows connection of standard phono pin plug to phone jack. MP is phono pin plug with mike connector. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Description	EA.
44 H 803	A754	MM	2 Phono Pin Jacks; Phono Pin Plug	1.18
44 H 800	C400	NN	Double-ended Phono Pin Jack	.59
44 H 801	P55A	PP	Phono Pin Jack; Phone Plug	.73
44 H 805	A750	RR	Phone Jack; Phono Pin Plug	1.03
44 H 806	A753	SS	Phone Jack; Phono Pin Jack	1.03
44 H 802	MP	TT	Microphone; Phono Pin Plug	.59

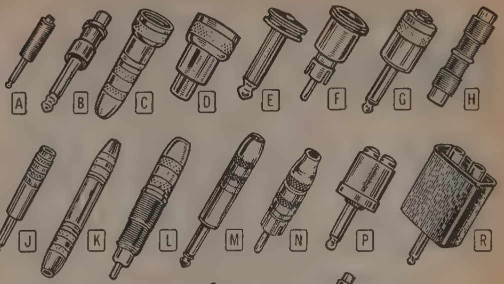
PERMONITE PHONO PIN PLUG AND JACK

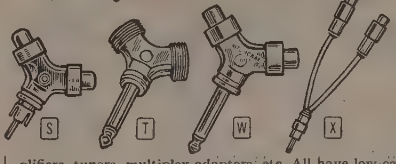


Standard phono pin plug and jack used in most audio equipment. Take single conductor shielded cable. Av. shpg. wt., 2 oz. **10 per pkg.**

46 H 057 Pin Plug .... **Per Pkg.** 29¢
46 H 058 Pin Jack .... **Per Pkg.** 43¢

SWITCHCRAFT ADAPTER CONNECTORS

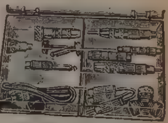




Adapter connectors for quick and easy change of connections. Enable you to vary connections on tape recorders, amplifiers, tuners, multiplex adapters, etc. All have low-capacity effect for negligible loss of high frequencies in audio applications. Type 332A has coupling ring that can be screwed back, converting microphone connector to male type. Av. shpg. wt., 6 oz.

Stock No.	Type	Fig.	Description	EA.
41 H 460	343	A	Phono jack input; phone plug output. Built-in limiting resistor for cord.	1.17
40 H 382	345A	B	Phone plug out; phono jack in.	.75
41 H 768	332A	C	2-cond. phone jack input to female or male mike output; main body ½″.	1.05
41 H 769	334A	D	Phono jack input to female microphone connector output.	.75
41 H 657	44	E	Adapts Amphenol Type 75-MC1F or 75-MC1F-A connectors for use with standard ¼″ phone jacks.	.30
41 H 773	338A	F	Phono plug to male mike connector.	.60
40 H 940	364	G	2-cond. "tini-jack" input; standard phone plug out.	.87
41 H 774	349A	H	Phono plug coupler mates with phono plug at each end; gray plastic.	.60
41 H 779	369	J	Std. 2-cond. phone plug to 2-cond. short extension jack (used on late models Revere and Wollensak recorders).	1.20
40 H 938	361	K	2-cond. phone jack coupler mates with phone plug at each end.	1.35
41 H 772	336A	L	2-conductor phone jack input to phono plug output; main body ½″.	.87
41 H 618	352	M	3-cond. phone jack to 2-cond. phone plug output.	1.20
41 H 619	365	N	2-cond. "tini-jack" input to standard phono plug output.	.87
41 H 649	346	P	Tip jack input to phone plug output.	1.29
40 H 939	340	R	2 standard phone jack inputs connected in parallel to 2-cond. phone plug output.	2.25
41 H 764	330F	S	2 phono jacks connected in parallel to standard phono plug.	1.05
41 H 994	330M	T	Y-adapter, 2 male mike connectors to standard 2-cond. phone plug.	1.14
41 H 229	330PJ	W	Y-adapter; standard phone plug to 2 phono jacks.	1.14
41 H 983	330F1	X	Flexible Y-connector; 2 phono jacks to std. phono plug. Shielded. 4″.	1.20
41 H 984	330F2	.....	Same as above, but phono plug and phono jack to phono plug.	1.20
41 H 992	330F3	.....	Same as above two types, but 1 phono plug to two phono plugs.	1.20

HANDY ADAPTER KIT

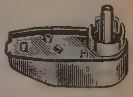


Type 331A. Save time, eliminate poor connections and soldering jobs. Kit consists of 12 of the most frequently used audio adapters and one interconnecting cable, in a handy compartmented plastic box. Includes one each of Types 25AF25, 25Y, 330F1, 332A, 334A, 336A, 336B, 345A, and two each of 44 and 349A. Shpg. wt., 1 lb.

44 H 906.............................8.82

G-C ELECTROCRAFT SOLDERLESS PHONO PLUGS

Handy right-angle design for fast, positive connections. Plastic shells. For std. shielded cable with 3⁄16″ O.D. Overall length, 1 7⁄32″. Pin dia., ⅛″. Wt., 2 oz.



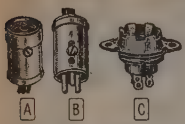
Stock No.	Mfr's Type	Shell Color	Stock No.	Mfr's Type	Shell Color
46 H 117	33-776	Gray	46 H 120	33-782	Yellow
46 H 118	33-778	Black	46 H 121	33-784	Blue
46 H 119	33-780	Red			

EACH.............................26¢

Connectors, Jacks and Plugs

AMPHENOL CONNECTORS AND PLUGS

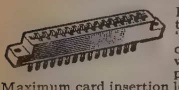
SERIES 91 MINIATURE CABLE CONNECTORS



Compact connectors for shielded or unshielded cables. Polarized contacts prevent incorrect insertion. For cables up to 1/4" dia. Last letter in Type No. indicates: L, long (1 3/16"); S, short (13/16"). Last fig. in Type No. denotes no. of contacts. PCG—chassis type. Figs. A and C are female types; Fig. B, male type. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	EA.	Stock No.	Type	Fig.	EA.
40 H 320	91-MPF3L	A	38¢	40 H 574	91-MPM4S	B	34¢
40 H 571	91-MPF3S	A	36¢	40 H 570	91-MPM5L	B	39¢
40 H 321	91-MPF4L	A	42¢	40 H 328	91-MPM6L	B	42¢
40 H 572	91-MPF4S	A	35¢	40 H 330	78-PCG-3	C	20¢
40 H 325	91-MPM3L	B	35¢	40 H 331	78-PCG4	C	24¢
40 H 573	91-MPM3S	B	33¢	40 H 332	78-PCG5	C	24¢
40 H 326	91-MPM4L	B	35¢	40 H 333	78-PCG6	C	29¢

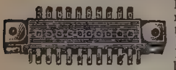
SERIES 143 PRINTED CIRCUIT CONNECTORS



For PC networks. Mate with standard .055" to .073" PC board or Series 133 plugs below. "Circle Lip" contact entrance ensures firm contact with varying thicknesses of board; will not set. Diallyl phthalate dielectric; gold-plated contacts. Contacts on .156" centers. Maximum card insertion length is 1.097" for 143-006; 3.597" for 143-022. 5 amps. *Polarizing key. 1/4 oz.

Stock No.	Type 143-	Contacts	EACH	Stock No.	Type 143-	Contacts	EACH
41 H 090	006-01	6	1.23	40 H 501	018-01	18	1.31
40 H 503	010-01	10	.83	40 H 502	022-01	22	1.46
42 H 675	012-01	12	1.50	42 H 676	953	*	.02
40 H 500	015-01	15	1.08				

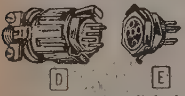
SERIES 133 PRINTED CIRCUIT PLUGS



Matching plugs for 143 Series above. Have molded diallyl phthalate dielectric body, cadmium-plated brass guide pins and end caps. Brass contacts with gold-over-albaloy plating. Rugged contacts are not subject to damage by mating or unmating at an angle. For cable plug-in to printed circuit boards—eyelet contacts for conductor connection. Average voltage rating, 2300 volts rms. Shpg. wt., 2 oz.

Stock No.	Type 133-	Contacts	EACH	Stock No.	Type 133-	Contacts	EACH
42 H 856	006-21	6	1.77	41 H 086	015-21	15	2.30
41 H 085	010-21	10	2.00	41 H 087	018-21	18	2.45
42 H 857	012-21	12	2.45	41 H 088	022-21	22	2.66

MINIATURE RACK PANEL AND CABLE CONNECTORS



Molded of diallyl phthalate dielectric material. Solder contacts gold finished over silver plating. Fig. E is hex nut type with threaded body for direct mounting to panel. Has locking clip for mating with Fig. D, hood and cable clamp type. Fig. D is two-piece for easy wiring, has cable clamp for strain relief of soldered connections. Locking ring engages locking clip on mating unit. Both Fig. D and Fig. E available with either socket or pin contacts. Voltage breakdown, 2000 volts rms 60 cps at sea level. Current rating, 7.5 amps. Diameter of locking clip type, 5/8"; hood and clamp type, 3/4". Length of cable clamp type 1 15/64". 5 oz.

MALE CONNECTORS

Stock No.	Mfr's Type	Contacts	Fig.	EA.	Stock No.	Mfr's Type	Contacts	Fig.	EA.
40 H 644	126-217	5	D	1.81	40 H 638	126-216	5	E	.82
40 H 646	126-195	7	D	1.98	40 H 640	126-197	7	E	.99
40 H 648	126-220	9	D	2.21	40 H 642	126-219	9	E	1.15

FEMALE CONNECTORS

40 H 645	126-223	5	D	1.39	40 H 639	126-218	5	E	1.34
40 H 647	126-196	7	D	2.58	40 H 641	126-198	7	E	1.53
40 H 649	126-222	9	D	3.00	40 H 643	126-221	9	E	2.04

H. H. SMITH

MOTOROLA-TYPE AND STD. PLUGS AND JACKS

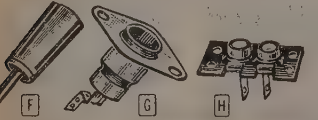
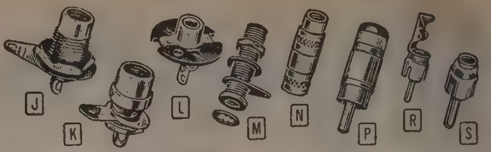


Fig. F. Antenna lead-in plug to connect auto antenna lead-in to radio. Pin. dia. 1/8". **Fig. G.** Jack to mate with Fig. F plug. 1/16" mtg. ctrs. **Fig. H.** Jacks to mate with standard pin plugs. 1½x1".

Stock No.	Type	Fig.	Description	EACH
41 H 152	1200	F	Motorola-Type Plug	11¢
41 H 144	1207	G	Motorola-Type Jack	18¢
41 H 179	1211	H	Double Phono Jack	10¢

Allied stocks a complete line of Amphenol as well as other popular manufacturers plugs, jacks, cable extensions, and connectors. See pages in this section or refer to index in back of book.

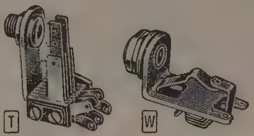
SWITCHCRAFT JACKS AND PLUGS



Easy-to-install phonograph jacks, phono pin plugs, and extensions. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH
44 H 900	3501FR	J	Jack, rear-panel mtg. 7/16" mtg. hole	24¢
44 H 902	3501FP	K	Jack, front-panel mtg. 1/4" dia.	21¢
41 H 574	3501F	L	Std. 2-cond. audio jack	9¢
44 H 904	371	M	Adapter to mount 3501FP in panels up to 1½" thick	57¢
41 H 778	3503	N	Extension jack, shielded. Removable 13/16" O.D. shell w/cable clamp	36¢
41 H 762	3502	P	Plug, shielded. 13/32" O.D. easy-grip handle	30¢
41 H 763	3501MC	R	Plug, unshielded, 3/8" O.D. shell, cable clamp	9¢
41 H 599	3501M	S	Plug for 3501F, 3501FP, 3501FR, 3503	6¢

MALLORY PHONE JACKS



JUNIOR PHONE JACKS

T Compact jacks for standard 1/4" phone plugs. Require only 1 5/16" behind panel. Cadmium-plated frames; nickel-plated brass shank, springs, mtg. hardware. 3/8" dia. threaded shank for panels 1/4" thick. Silver contacts. *Conductors in mating plug. Wt., 3 oz.

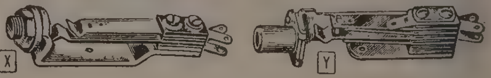
Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	EACH
41 H 054	701	2	Open	I	45¢
41 H 751	702A	2	Closed	II	57¢
41 H 058	702B	3	Open	III	57¢
41 H 059	703B	3	Closed-Transfer 1	IV	60¢
41 H 060	704B	3	Closed-Transfer 2	V	69¢

MIDGET AND INFANT PHONE JACKS

W Extremely small "Midget" and "Infant" type jacks for limited-space applications All take 1/4" phone plugs. "Midget" type jacks require only 1⅛" mounting space behind panel; "Infant" type requires only 7/8" behind panel. Cadmium-plated steel frames with nickel-plated brass shank, springs, and mounting hardware. 3/8" threaded shank for mounting in panels up to 1/4" thick. *Cond. in mating plug. All are "Midget" type except A-1 "Infant" type jack. (†Not illustrated). Av. shpg. wt., 2 oz.

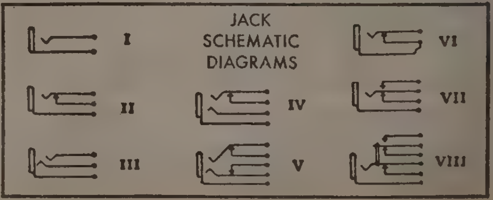
Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	EACH
41 H 050	†A-1	2	Open	I	33¢
41 H 051	A-2	2	Shorting	VI	48¢
41 H 053	A-2A	2	Closed	II	57¢
41 H 056	A-3A	2	Closed-Transfer 1	VII	66¢

LONG-FRAME PHONE JACKS

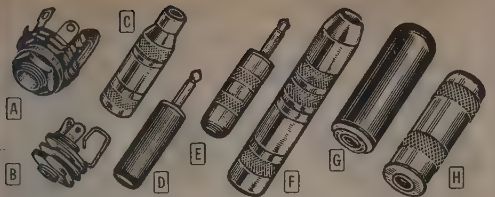


Industrial-type, long-frame jacks offering a variety of switch combinations. All take standard 1/4" phone plugs. Types Nos. 1, 2, 2A, and 5 (Fig. X) are 3⅛x1⅛x9/16" wide. Mount in panels up to 1/4" thick by means of 3/8" diameter threaded shank. XP types (Fig. Y) are 3½x27/32x9/16" wide. Have 7/16" diameter smooth shank 9/16" long and mount with screw and nut. *Column headed "Cond." indicates number of conductors in mating plug. Av. shpg. wt., 4 oz.

Stock No.	Type	*Cond.	Circuit	Diagram	EACH
41 H 745	1	2	Open	I	45¢
41 H 746	2	2	Shorting	VI	57¢
41 H 747	2A	2	Closed	II	57¢
41 H 055	5	2	Closed & Transfer	VIII	90¢
41 H 748	XP1	2	Open	I	63¢



Switchcraft Plugs and Jacks



"LITTEL-JAX" PHONE JACKS

A Take standard ¼″ phone plugs, except S-11, which takes S250, S280 and 385 plugs, and C-12B which takes 480 Military-type, "Littel-Plug" ¾″ dia., 1⅛″ overall, with a ⅜″ dia. threaded shank, ⅝″ long. L-11 and L-12A have bushing ⅜″ long. SCC indicates single closed circuit: OC indicates open circuit. Av. shpg. wt., 3 oz.

Stock No.	Type	Diag.	Cond.	Circuit	JAN Type	EACH
44 H 955	11	I	2	OC	....	24¢
44 H 957	C-11	I	2	OC	JJ-034	36¢
44 H 959	L-11	I	2	OC	....	30¢
44 H 961	S-11	I	2	OC	....	27¢
44 H 963	12A	II	2	SCC	....	27¢
44 H 965	C-12A	II	2	SCC	JJ-089	45¢
44 H 967	L-12A	II	2	SCC	....	33¢
44 H 969	12B	III	3	OC	....	33¢
44 H 971	C-12B	III	3	OC	JJ-033	42¢
44 H 973	13B	IV	3	SCC	....	45¢

"TINI-JAX" SUBMINIATURE PHONE JACKS

B Extra-small 2-conductor jacks for "Tini-Plugs". ¹¹⁄₁₆″ long; fit ¼″ hole. OC, open circuit; CC, closed circuit. Av. shpg. wt., 2 oz.

44 H 983	41	I	2	OC	....	24¢
44 H 985	42A	II	2	CC	....	27¢

C **Type 125 "Tini-Extension Jax."** Two-conductor; solder lug terminals. Mates with "Tini-Plugs," below. Wt., 2 oz.
41 H 472...75¢

"TINI-PLUGS" SUBMINIATURE PHONE PLUGS

For use with "Tini-Jax". 1⅝″ overall length. 2-conductor. Wt., 2 oz.

Stock No.	Type	Fig.	Ter.	Handle	EACH
41 H 518	740	D	Screw	Black	45¢
41 H 519	745	D	Screw	Red	45¢
41 H 520	750	D	Solder	Black	42¢
41 H 521	755	D	Solder	Red	42¢
41 H 522	770	E	Screw	Shielded	63¢
41 H 523	780	E	Solder	Shielded	60¢

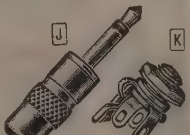
"EXTENSION JAX" CABLE EXTENSION JACKS

Fit standard ¼″ plugs. ¹¹⁄₁₆″ O.D.; 2⁵⁄₃₂″ long. 121 and 131 ½″ O.D.; 2½″ long. All are open circuit type. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Cond.	Ter.	Handle	EACH
41 H 571	80	G	2	Screw	Black	.69
41 H 718	88	G	2	Solder	Black	.60
41 H 572	120	H	2	Screw	Shielded	.93
41 H 473	121	F	2	Solder	Shielded	.96
41 H 474	131	F	3	Solder	Shielded	1.20
42 H 971	830	G	3	Screw	Black	.93
41 H 717	1230	H	3	Screw	Shielded	1.17

ULTRAMINIATURE PLUGS AND JACK

J **TR Series "Micro-Plugs."** Handy ultraminiature plugs and jack featuring same uniformity, dependability and quality construction as famous "Littel-Plugs" and "Tini-Plugs." Microscopic size, only 1¹⁄₆₄″ long; ¼″ O.D.—⅓ the size of standard plugs! Have nylon insulation between tip and sleeve circuits; sleeve terminal is tinned brass. Tip and sleeve are nickel-plated machined brass. All have sleeve circuit cable clamp; accommodate cables to ¹⁄₆₄″ dia. With screw-on anodized aluminum handle. Shpg. wt. 2 oz.

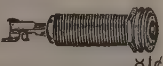


42 H 554. Type 850. Black Handle.................45¢
42 H 555. Type 855. Red Handle.................45¢
42 H 556. Type 880. Natural Handle.................45¢

K **TR-2A "Micro-Jax."** For "Micro-Plugs." 2 cond. sgl. closed circuit; also usable as 2 cond. open circuit. Requires .190″ hole. 2 oz.
44 H 995...27¢

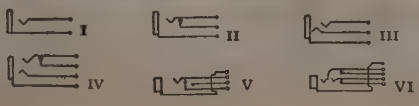
THICK-PANEL PHONE JACKS

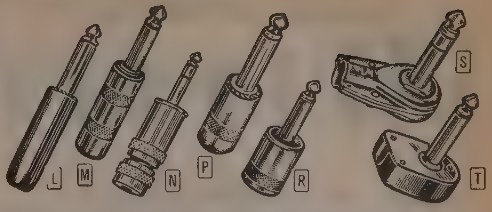
Have extra long bushings for use in panels up to 1¼″ thick. Ideal for wall paneling, hi-fi installations, etc. Shielded for microphone use. Require ½″ mounting hole. Wt., 2 oz.



44 H 908. Type 151. 2 Conductor.................81¢
44 H 912. Type 152B. 3 Conductor.................90¢

JACK SCHEMATIC DIAGRAMS





"LITTEL-PLUG" PHONE PLUGS

Small-size phone plugs; fit standard ¼″ phone jacks, except Types S250 and S280, .206″ sleeve for S-11 "Littel Jax" and for Bell and Howell equipment; Type R280 which has short sleeve for Revere recorders. Plugs with solder terminals feature built-in cable clamp; others do not include cable clamp. Metal (shielded) handles are nickel-plated brass; for use in microphone or other input leads as well as outputs requiring continuous shield. All handles are 1¹¹⁄₁₆″ long and ½″ in diameter. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
41 H 553	240	L	2	Black	Screw	45¢
41 H 554	245	L	2	Red	Screw	45¢
41 H 611	250	L	2	Black	Solder	42¢
41 H 614	S250	L	2	Black	Solder	45¢
41 H 612	255	L	2	Red	Solder	42¢
41 H 555	260	L	3	Black	Screw	72¢
41 H 616	267	L	3	Black	Solder	63¢
41 H 573	270	M	2	Metal	Screw	63¢
41 H 613	280	M	2	Metal	Solder	60¢
41 H 556	R280	M	2	Metal	Solder	75¢
41 H 719	S280	M	2	Metal	Solder	60¢
42 H 967	290	M	3	Metal	Screw	84¢
41 H 617	297	M	3	Metal	Solder	78¢

STANDARD PHONE PLUGS

Standard-size ¼″, 2-and 3-conductor type phone plugs to fit all standard jacks. Metal (shielded), red or black molded bakelite handles; 2¹⁄₁₆″ long, ¾″ diameter, except *1″ long. Type 170 is similar to 70, but has 2-piece handle with cable clamp for ¼″ cable. No. 190A is similar to 90, but has same handle as 170. Metal (shielded) handle types are for use in microphone or input cables and wherever continuous shielding is required. Av. shpg. wt., 5 oz.

41 H 557	40	L	2	Black	Screw	.45
41 H 447	45	L	2	Red	Screw	.45
41 H 558	60	L	3	Black	Solder	.63
41 H 559	70	M	2	Metal	Screw	.72
41 H 560	90*	R	3	Metal	Solder	.78
41 H 561	160*	R	2	Metal	Screw	.54
41 H 562	170	N	2	Metal	Screw	.99
41 H 563	190A	N	3	Metal	Solder	1.17

"LUG-PLUG" PHONE PLUGS

Low-cost two-conductor, phone plugs. All fit ¼″ jacks. Have solder terminals. Exterior parts bright nickel plated. Red or black handles are 1⅝″ long, ½″ diameter. Type 380 has shielded handle 1″ long. Av. shpg. wt. 4 oz.

Stock No.	Type	Figure	Color	EACH
41 H 564	350	L	Black	33¢
41 H 565	355	L	Red	33¢
41 H 566	380	P	Metal	42¢

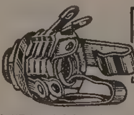
FLAT PHONE PLUGS

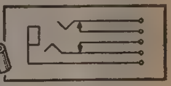
¼″ phone plugs featuring flat, space-saving handles. Ideal for applications where conventional plugs would protrude too far and interfere with operation of equipment, prevent installation in tight quarters, etc. Fig. T units have easily removable plastic handle; Fig. S units have shielded steel handle, bright nickel plated. Screw terminals, except 227, 228, 237, 238 which have solder lug terminals. Types 220 and 225 will accept standard phone tips. Type S230 is commercial version of Military Type PJ-068 plug; has .206″ diameter sleeve and tip. Terminals and body are mechanically interlocked. Av. shpg. wt. 4 oz.

Stock No.	Type	Fig.	Conductors	Color	EACH
41 H 621	220	T	2	Black	.54
41 H 567	225	T	2	Red	.54
41 H 502	227	T	2	Black	.51
42 H 968	228	S	2	Metal	.57
41 H 568	230	T	3	Black	.78
41 H 569	235	T	3	Red	.78
41 H 503	237	T	3	Black	.75
42 H 969	238	S	3	Metal	.84
42 H 970	S230	T	3	Black	1.05

NEW STEREO "LITTEL-JAX"

Three-conductor jack for switching-out speakers when connecting stereo headphones and for switching three-wire stereo input circuits. Mates with Switchcraft ¼″ "Littel-Plugs" such as 260, 267, 269 and 297. Insulation XXP phenolic. Springs tempered nickel-silver alloy. Integral contacts standard in the separate switching circuits. Nickel-plated brass bushing mounts in ⅜″ dia. hole. Length behind panel, 1″ With locknut and washer. 3 oz.





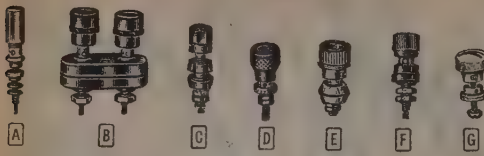
SCHEMATIC

44 H 924...57¢

Make Allied headquarters for all of your electronic needs. You can depend on Allied for prompt service on your order.

Binding Posts, Plugs and Jacks

H. H. SMITH



5-WAY and MULTI-PURPOSE BINDING POSTS

A **Type 208.** Five-way metal binding post. Accepts banana plug, phone tip, spade lug, alligator clip or wire strand. Mounts in .171" hole in panels from 1/16" to 3/8" thick. Body: brass, nickel-plated. Head: captive, hex brass nickel-plated. Has wrap-around solder stud. With 2 mounting nuts. Shpg. wt., 3 oz.

41 H 327..**Each 21¢**

B **Type 224.** Dual 5-way binding post assembly with black, insulated fluted heads. Accepts single or dual banana plugs. Mounts in two ½" holes on ¾" mounting centers in panels up to ¼" thick. Has solder stud. ¾x1½" base. Body: brass, nickel-plated. With 4 mtg. nuts. 4 oz.

41 H 328..**Each 54¢**

B **Type 269BB.** Similar to Type 224, above, but has black hex-grip insulated heads. Shpg. wt. 4 oz.

41 H 329..**Each 66¢**

41 H 324. Type 269 RB. As above, with 1—black, 1—red head.....66¢

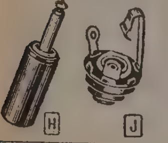
Multi-Purpose Posts. Rated 2000 v., 30 amps. Captive heads. Length shown is total closed. For panels 1/16-¼" thick. *Locking edge. †Banana-plug jack in head; also accepts phone tip, lug, etc. ‡Grounding types. §Take solder connection to stud. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Mounting	Length	Color	EACH
41 H 368	257*†§	C	½"	1 43/64"	Red	36¢
41 H 367	257*†§	C	½"	1 43/64"	Black	36¢
41 H 330	220†‡	D	11/64"	1¼"	Red	18¢
41 H 335	220†‡	D	11/64"	1¼"	Black	18¢
41 H 388	260*†	E	5/16"	1 11/16"	Red	26¢
41 H 389	260*†	E	5/16"	1 11/16"	Black	26¢
41 H 394	377‡§	F	11/64"	1⅜"	Red	26¢
41 H 395	377‡§	F	11/64"	1⅜"	Black	26¢
41 H 397	378§	F	23/64"	1⅜"	Red	26¢
41 H 398	378§	F	23/64"	1⅜"	Black	26¢

G **Type 110.** Brass, for heavy-duty use. 2 1/32" long. 3/16" mounting hole. Shpg. wt., 2 oz.

41 H 371..**2 for 30¢**

STANDARD ¼" PHONE PLUGS AND JACK

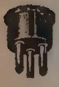


2-conductor phone plugs and jack. Plugs have screw-type terminals and are available with either red or black break-resistant Tenite plastic handles; all metal parts, except screws, have nickel plating. Terminals, insulation, plus body and tip rod are mechanically interlocked to prevent turning. Overall length, 2⅞". Open circuit, 2-conductor jack has ⅜" diameter threaded shank 9/32" long; requires only 1" behind panel. Interlocked for dependable operation. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EACH
41 H 017	222	H	Standard Phone Plug (**black**)	39¢
41 H 018	222	H	Standard Phone Plug (**red**)	39¢
41 H 019	275	J	Standard Phone Jack	27¢

AMPHENOL MINIATURE AND STANDARD PLUGS

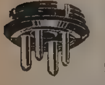
TYPE 71 MINIATURE HIGH-DIELECTRIC PLUGS



Compact, efficient, high-dielectric plugs. Excellent for transmitters, receivers, intercoms and speaker connections. Securely anchored, nickel-plated brass prongs; deeply recessed to prevent shorts caused by pulled back insulation. Easily soldered. For cables with up to six conductors. Contacts are polarized to assure proper connections. All types fit Amphenol 78-S series retainer-ring type miniature sockets listed on page 336 of this catalog. Rated at 5 amps @ 500 volts. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Prongs	2 FOR	Stock No.	Mfr's Type	Prongs	2 FOR
40 H 177	71-3S	3	18¢	40 H 149	71-5S	5	24¢
40 H 169	71-4S	4	22¢	40 H 179	71-6S	6	30¢

TYPE CP STANDARD BAKELITE PLUGS



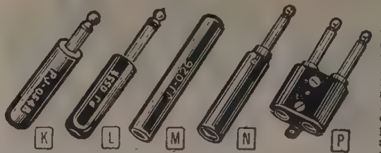
Bakelite plugs for chassis connectors with plug-in units. Use adapter plate below for replacement mounting. RMS voltage ratings: 86-CP4, 2000 v.; CP-11 and CP-12, 500 v.; all others, 1250 v. With mounting ring for 1 11/16" holes except *1 21/64" keyed hole. †Have guide post and aligning key. CP7L has large pins; CP7S has small. Av. wt., 2 oz.

Stock No.	Mfr's Type	Pins	EACH	Stock No.	Mfr's Type	Pins	EACH
40 H 015	86-CP4	4	17¢	40 H 020	86-CP8†	Octal	20¢
40 H 016	86-CP5	5	18¢	40 H 021	86-CP9†	9	21¢
40 H 017	86-CP6	6	19¢	40 H 022	86-CP11†	11	24¢
40 H 018	86-CP7L*	7	22¢	42 H 654	86-CP12†	12	25¢
40 H 019	86-CP7S	7	20¢				

Type 12-001-03 Adapter Plate. Nickel-plated steel. For use with all CP plugs above except 86-CP7L. 1½" to 1⅞" mtg. centers. 2 oz.

40 H 023..**2 for 10¢**

SWITCHCRAFT MILITARY-TYPE "LITTEL-PLUGS," "TWIN-PLUG" AND EXTENSION JACK



A series of connectors designed to meet exact industrial and military requirements. Plugs are made in accordance with MIL-P-642A specifications; have pre-tinned brass screw terminals and plastic handles. One-piece tip rod, sleeve and plug body prevent parts from shifting position. Type 820 extension jack meets MIL-J-641A specs. Type 412 Twin-Plug is 2 independent 2-conductor plugs in plastic handle; sleeves spaced ⅝" center to center and external cord clamp. 5 oz.

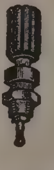
2-CONDUCTOR TYPES

Stock No.	Type	Fig.	Color	MIL-Type	Mates With	EA.
41 H 731	412	P	Black	PJ-289	MT-388 dual jack	2.70
44 H 890	430	K	Black	PJ-054B	820 jack	.84
44 H 892	440	K	Black	PJ-055B	MT-331 jack	.84
44 H 896	820	M	Black	JJ-026	430 plug	1.20

3-CONDUCTOR TYPES

Stock No.	Type	Fig.	Color	MIL-Type	Mates With	EA.
44 H 898	480	L	Black	PJ-068	MT-342B jack	2.16
41 H 730	482	N	Red	PJ-051R	MT-332B jack	2.40

E. F. JOHNSON POSTS AND PLUGS



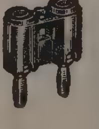
Six-Way Molded Binding Posts. Silver-plated brass shank. Insulation resistance over 200 megs. Rated at 15 amps; breakdown, 8000 v. DC. Size, 1 15/16x7/16" dia. with 5/16"-32 nut for mtg. in 21/64" dia. hole. 3 oz.

Stock No.	Type	Color	Stock No.	Type	Color
46 H 323	111-101	White	46 H 333	111-104	Green
46 H 329	111-102	Red	46 H 290	111-110	Blue
46 H 332	111-103	Black	46 H 335	111-107	Yellow

Your Choice..**Each 30¢**

110-20 Mounting Plate. Etched aluminum. For mtg. 2 nylon binding posts or banana jacks on ¾" ctrs. 1¼x½". 2 oz.

46 H 336..2¢

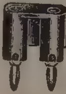


Solderless Dual Banana Plugs. Molded body has polarity indication and strain relief hole for wire leads. Plug springs are nickel-silver. Body is nickel-plated, machined brass. Brass studs. Pins have ¾" spacing. Rated 15 amps; breakdown, 10,000 v. DC. Plug-to-plug capacity, 1.3 mmf. Overall lgth., 1 19/32". 2 oz.

Stock No.	Type	Color	Stock No.	Type	Color
46 H 337	108-201	White	46 H 344	108-204	Green
46 H 338	108-202	Red	46 H 291	108-210	Blue
46 H 339	108-203	Black	46 H 347	108-207	Yellow

Your Choice..**Each 60¢**

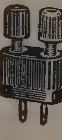
GENERAL RADIO DOUBLE PLUG



Type 274-MB. Dual plug for standard banana jacks. On ¾" centers. Also accepts phone tips or wire to No. 12. Jacks in top permit use of units in tandem. 15 ampere rating. Body size, 1 5/16x1 11/16". Shpg. wt., 3 oz.

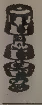
41 H 242..**Each 65¢**

SUPERIOR AC 5-WAY BINDING POSTS



Type DAP15BWC Dual-Adapter Binding Post. Facilitates line voltage connections from AC output receptacles to binding posts. Has integral parallel-blade plug. Rated at 15 amps, 125 volts. Brass parts are gold-plated. Accepts spade lugs, banana plugs, clip leads, up to No. 12 wire through .098" dia. holes, or wire wrapped around shafts. Has black body with 1 white and 1 black thumbnut. Shpg. wt., 3 oz.

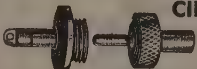
41 H 041..**Each 1.50**



Hex-Nut Type Binding Posts. Exceptionally versatile posts take spade lugs, banana plugs, clip leads, up to No. 12 wire through center hole, or looped and clamped around shaft. All have gold-plated brass current-carrying parts and durable nylon plastic insulator and captive nut except type GP30NC, which is nickel-plated grounding-type post. All rated 30 amps at 1000 volts. Mount in ½" holes in panels 1/16" to ¼" thick. Size, 2 3/64x½" dia. With hexagonal thumbnut. 2 oz.

Stock No.	Type	Color	EA.	Stock No.	Type	Color	EA.
41 H 172	DF30YC	Yellow	40¢	41 H 178	DF30RC	Red	40¢
41 H 173	DF30GNC	Green		41 H 198	DF30BLC	Blue	
41 H 174	DF30WTC	White		41 H 000	GP30NC	Nickel	
41 H 177	DF30BC	Black					

CINCH-JONES PLUG AND SOCKET



Series 101. Plug and socket for high-frequency RF use. For coax or shielded 1-cond. Cadmium-plated brass; prong, contacts, silver-plated. Shpg. wt., 4 oz.

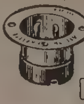
Stock No.	Type	Description	EA.	Stock No.	Type	Description	EA.
40 H 825	P-101	½" Plug	89¢	40 H 835	S-101	⅞" Socket	58¢

Connectors, Plugs and Sockets

HUBBELL "TWIST-LOCK" MIDGET CONNECTORS

A

B


C

D

A wide selection of heavy-duty electrical connectors in midget sizes. Feature unique "Twist Lock" design for positive lock-fast electrical connections. Units lock with a twist of the cap; you simply plug in twist and they lock! Connectors never disconnect accidentally regardless of the treatment to which they are subjected ensuring a maximum of safety and a minimum of time loss. Conform to National Electrical Code Standard. Av. shpg. wt. 3 oz.

2-WIRE NON-POLARIZED TYPES

Type 7428 male cap and Type 7427 female connector are of brown bakelite with metal cable clamps for 5/16 to 1/2″ O.D. cords. Type 7466 male base and Type 7468 female base are of bakelite with brass nickel finish housings. Rated 10 amps at 250 volts or 15 amps at 125 volts.

Stock No.	Mfr's Type	Fig.	Description	EACH
41 H 282	7428	A	Male Cap	.45
41 H 283	7427	B	Female Connector	.84
41 H 284	7466	C	Male Base	.99
41 H 287	7468	D	Female Base	1.20

3-WIRE POLARIZED TYPES

As above but for 3-conductor cables. Insulation is black bakelite. Clamps accept cords from .281 to .421″ O.D. Polarization prevents wrong connection. Rated 10 amps at 250 v., or 15 amps at 115 v.

41 H 288	7485	A	Male Cap	1.08
41 H 289	7484	B	Female Connector	1.56
41 H 290	7486	C	Male Base	1.38
41 H 291	7487	D	Female Base	1.69

ARROW H&H MIDGET CONNECTORS

E

F

G

H

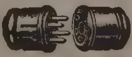
J

K

Midget 2-prong cord connectors and receptacles. Especially suited for applications where space is at a premium. Types illustrated in Figures E and F have housings of durable molded bakelite. Others have rust-resistant metal housings and insulation of bakelite. All units are rated at 10 amperes at 250 volts. A 1″ diameter hole is required for all receptacles. Contact spacing is 13/32″. Receptacle terminals are exposed. All units take threaded covers. Types 80326 and 80328 are furnished with plate for screws. Types 80327 and 80329 are furnished with plate and lock ring. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH
42 H 191	80324	E	Male cable connector	.67
42 H 192	80325	F	Female cable connector	.67
42 H 193	80326	G	Female flush receptacle	.80
42 H 194	80328	H	Male flush receptacle	.89
42 H 195	80327	J	Female flush receptacle	1.33
42 H 196	80329	K	Male flush receptacle	1.35

AMPHENOL CABLE CONNECTORS



Matching male and female cable connectors. Take cables up to 7/16″ O.D. Series 78-PF are female connectors; series 86-PM are male. "S" in type number indicates small pins. Size 1 3/16x1 3/32″. Av. wt. 3 oz.

Stock No.	Mfr's Type	Contacts	EACH	Stock No.	Mfr's Type	Contacts	EACH
40 H 524	78-PF4	4	32¢	40 H 505	86-PM5	5	37¢
40 H 525	78-PF5	5	33¢	40 H 506	86-PM6	6	38¢
40 H 526	78-PF6	6	35¢	40 H 507	86-PM7S	7S	39¢
40 H 527	78-PF7S	7S	35¢	40 H 508	86-PM8	8	39¢
40 H 528	78-PF8	8	34¢	40 H 512	86-PM9	9	40¢
40 H 516	78-PF9	9	37¢	40 H 513	86-PM11	11	42¢
40 H 517	78-PF11	11	39¢	42 H 655	86-PM12	12	44¢
40 H 504	86-PM4	4	36¢	42 H 656	86-PM20	20	62¢

Amphenol Cable Clamp. Type 79-CC4. For use with above connectors. Relieves strain on soldered connections. Shpg. wt., 5 oz.
40 H 670 .... 2 For 20¢

CINCH-JONES SERIES 202 PLUGS AND SOCKETS

L

M

N

Cadmium-plated brass plugs and sockets. Type P-202-CCT is polarized. Knurled nut. Type S-202-B socket mtg. holes, No. 30 drill on 1″ centers. All units have 3/4″-27 thread. Type P-202-CCT and S-202-CCT-THR have cable clamp. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EACH
40 H 980	P-202-CCT	L	Plug, 2 contact	.81
40 H 982	S-202-B	M	Socket, base mounting	.96
40 H 981	S-202-CCT-THR	N	Socket, extension	1.09

AMPHENOL PLUGS AND SOCKETS

P

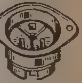
R

S

T

W

STANDARD AND GROUNDING-TYPE AC PLUGS AND SOCKETS


X

Series 61 are standard 2-pole AC plugs and sockets. Series 160 are heavy-duty grounding types recommended for grounding appliances and tools. Rated 15 amps at 120 volts AC/DC; 10 amps at 220 volts. All are black phenolic and U.L. Listed except types 160-10 and 160-11, which must be grounded after mounting. Av. shpg. wt., 3 oz.

P **Retainer Ring Mounting Types.** For mounting in 1 11/16″ keyed hole in chassis up to 1/8″ thick. 61-M is standard type; 61-F is universal type. *Includes prong and third terminal for ground wire. All units listed are 2-pole types.

Stock No.	Type	Descrip.	EACH	Stock No.	Type	Descrip.	EACH
40 H 675	61-M	Male	29¢	42 H 522	160-10*	Female	.60
40 H 677	61-F	Female	27¢	42 H 523	160-11*	Male	1.10

S **Mounting Plate Types.** All require 1 9/32″ mtg. holes and have 5/32″ slotted holes on 1 1/2″ to 1 7/8″ centers except Type 61-MIP-61F which requires 1 3/16″ mtg. hole and has 5/32″ holes on 1 1/2″ centers. Types 61-M1 and 61-F1 have removable mtg. plates. *With terminal for ground wire. All 2-pole.

Stock No.	Type	Descrip.	EACH	Stock No.	Type	Descrip.	EACH
40 H 680	61-M1	Male	33¢	42 H 525	160-3*	Male	1.12
40 H 682	61-F1	Female	32¢	40 H 085	61-MIP-61F	Female	.28
42 H 524	160-2*	Female	72¢				

Type 61-61 Recessed Shell. Shell for converting Type 61, 86 and 160 connectors to recessed mtg. types (listed below). Fits 1 7/16″ hole; two 5/32″ screw holes on 1 3/4″ centers. Lowers connector 1 3/16″. Wt. 2 oz.
40 H 086 .... Each 11¢

X **Flush Mounting Types.** For below-surface mounting. Mount in 1 7/16″ hole; have two 5/32″ screw holes on 1 3/4″ ctrs. All are 2-pole types. *With grounding lug.

Stock No.	Type	Descrip.	EA.	Stock No.	Type	Descrip.	EA.
40 H 685	61-M10	Male	.44	42 H 526	160-4*	Female	.82
40 H 687	61-F10	Female	.44	42 H 527	160-5*	Male	1.22

W **Shielded Types.** Types 160-6 and 160-7 have end rubber grommet with 7/16″ I.D. Types 160-8 and 160-9 have clamp for cables up to O.D. Plug caps are 1 1/16″ long. All are 2-pole.

Stock No.	Type	Descrip.	EA.	Stock No.	Type	Descrip.	EA.
42 H 528	160-6	Female	.82	42 H 535	160-8	Female	.88
42 H 529	160-7	Male	1.18	42 H 536	160-9	Male	1.26

Drawn Steel Plug Caps. For use with above plugs, sockets and connectors. Types 3-13 and 3-857 (Fig. R), have rubber grommet for up to 7/16″ cable. Types 3-24 and 3-856 (Fig. T), have adjustable clamps for cables up to 3/8″ diameter. Types 3-13 and 3-24 have black japan finish; 3-857 and 3-856 are without enameling. 2 oz.

Stock No.	Type	Fig.	Use with Plugs and Sockets Types	EACH
42 H 537	3-13	R	61, 86-CP, and S(Series 78).	13¢
42 H 545	3-857	R	Series 160	14¢
42 H 538	3-24	T	61, 86-CP, and S(Series 78).	19¢
42 H 546	3-856	T	Series 160	20¢

CINCH JONES PLUGS AND SOCKETS

Type 2R2 Chassis-Mounting AC Socket. Molded, black bakelite AC socket excellent for radio, TV chassis, phono, and similar applications. Rated at 15 amps at 110 volts or 10 amps at 250 volts. Accepts any 2-prong standard electric plug. Solder-lug terminals. Mounts in 25/64x25/32″ hole. Has 9/64″ diameter mounting holes on 1 1/8″ centers. Size 1 1/2x1/2″. U. L. Listed. Shpg. wt. 2 oz.
40 H 830 .... 19¢

8PB

11RB

Type 8PB 8-Contact Plug. For making up to 8 connections between chassis. Molded from high-dielectric black bakelite. Nickel-plated pins have tapered ends for easy insertion. Fits any standard octal socket. Use with 16F shield, below. Shpg. wt. 2 oz.
40 H 846 .... 19¢

Type 11PB 11-Contact Plug. Same as above, but with 11 contacts. Fits 11RB socket, below. Use with 16F snap-on shield below. Shpg. wt., 2 oz.
40 H 847 .... 27¢

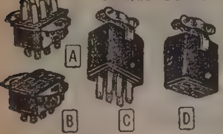
Type 16F Steel Snap-On Shield. (Not illus.) Cadmium-plated steel plug cap. Snaps on 8PB and 11PB sockets, above. Has screwdriver slot at bottom to facilitate removal. Rubber grommet with 25/64″ diameter hole protects cable. Shpg. wt., 2 oz.
40 H 848 .... 27¢

Type 11 RB 11-Contact Socket. Use with 11PB socket, above. Molded black bakelite. Mounts on 1/16″ thick chassis using retaining ring. Use with 16F shield (above) on extension cables. Wt., 2 oz.
40 H 849 .... 32¢

Plugs, Sockets, Strips, Terminals, Test Prods

CINCH-JONES PLUGS, SOCKETS, BARRIER STRIPS, TERMINALS

SERIES 300 PLUGS AND SOCKETS



Compact units rated 730 volts rms at 10 amps. Metal caps; bakelite body. Phosphor-bronze socket contacts engage both sides of plug contacts. Units are polarized; plugs with 24 or more contacts have positioning pin. Plug contacts are 5⁄32" wide by 3⁄64" thick. *Round shell; others rectangular. Av. shpg. wt., 3 oz.

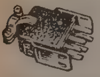
TYPE AB FOR CHASSIS MOUNTING

	A PLUGS			B SOCKETS		
Contacts	**Stock No.**	**Type**	**EACH**	**Stock No.**	**Type**	**EACH**
2*	40 H 870	P-302-AB*	.25	40 H 880	S-302-AB*	.27
3	40 H 871	P-303-AB	.34	40 H 881	S-303-AB	.32
4	40 H 872	P-304-AB	.34	40 H 882	S-304-AB	.36
6	40 H 873	P-306-AB	.42	40 H 883	S-306-AB	.45
8	40 H 874	P-308-AB	.50	40 H 884	S-308-AB	.56
10	40 H 875	P-310-AB	.56	40 H 885	S-310-AB	.67
12	40 H 876	P-312-AB	.62	40 H 886	S-312-AB	.77
15	40 H 816	P-315-AB	.83	40 H 864	S-315-AB	.96
18	40 H 817	P-318-AB	1.02	40 H 865	S-318-AB	1.16
21	40 H 818	P-321-AB	1.29	40 H 866	S-321-AB	1.43
24	40 H 819	P-324-AB	1.56	40 H 867	S-324-AB	1.70
27	40 H 820	P-327-AB	1.84	40 H 868	S-327-AB	1.97
30	40 H 821	P-330-AB	2.10	40 H 869	S-330-AB	2.26
33	40 H 822	P-333-AB	2.37	40 H 877	S-333-AB	2.52

TYPE CCT WITH CABLE CLAMP

	C PLUGS			D SOCKETS		
Contacts	**Stock No.**	**Type**	**EACH**	**Stock No.**	**Type**	**EACH**
2*	40 H 802	P-302-CCT*	.57	40 H 852	S-302-CCT*	.57
3	40 H 803	P-303-CCT	.61	40 H 853	S-303-CCT	.62
4	40 H 804	P-304-CCT	.66	40 H 854	S-304-CCT	.67
6	40 H 806	P-306-CCT	.73	40 H 856	S-306-CCT	.77
8	40 H 808	P-308-CCT	.81	40 H 858	S-308-CCT	.90
10	40 H 810	P-310-CCT	.91	40 H 860	S-310-CCT	1.00
12	40 H 812	P-312-CCT	.99	40 H 862	S-312-CCT	1.08
15	40 H 805	P-315-CCT	1.29	40 H 850	S-315-CCT	1.43
18	40 H 807	P-318-CCT	1.56	40 H 851	S-318-CCT	1.70
21	40 H 809	P-321-CCT	1.84	40 H 855	S-321-CCT	1.97
24	40 H 811	P-324-CCT	2.17	40 H 857	S-324-CCT	2.33
27	40 H 813	P-327-CCT	2.46	40 H 859	S-327-CCT	2.59
30	40 H 814	P-330-CCT	2.87	40 H 861	S-330-CCT	3.00
33	40 H 815	P-333-CCT	3.07	40 H 863	S-333-CCT	3.21

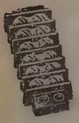
TYPE CCT-L PLUGS WITH CABLE CLAMPS AND LATCHES



All type CCT-L plugs listed in table below have rectangular shells except *2-contact type which is supplied with round shell. Av. shpg. wt. 3 oz.

Contacts	Stock No.	Type	EACH	Contacts	Stock No.	Type	EACH
2*	41 H 513	P-302*	.73	10	40 H 112	P-310	1.05
3	41 H 514	P-303	.77	12	40 H 125	P-312	1.16
4	41 H 515	P-304	.83	15	40 H 140	P-315	1.43
6	41 H 516	P-306	.90	18	40 H 141	P-318	1.70
8	41 H 517	P-308	.96	21	40 H 142	P-321	1.97

SERIES 140 BARRIER TERMINAL STRIPS



Make a long leakage path and prevent direct shorts caused by frayed wires at the terminals. Base is molded bakelite, with mounting holes at ends. Eyelets and binder screws of nickel-plated brass; terminals of hot tin-finish brass. When used with fanning strips, insure positive contact and firm connections. No. 140 terminal strips have 5-40x 3⁄16" binder head screws, ¼" metal-to-metal spacing. No. 141 types have 6-32x¼" binder head screws, ⅜" metal-to-metal spacing. No. 142 types have 8-32x5⁄16" binder head screws, 9⁄16" metal-to-metal spacing. Av. wt., 5 oz.

Series 140. Metal-to-metal spacing over bakelite ¼". Base ⅞" wide x3⁄32" high. ⅜" centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
41 H 580	1-140	1	11¢	41 H 581	7-140	7	51¢
41 H 800	2-140	2	18¢	41 H 804	8-140	8	58¢
41 H 801	3-140	3	25¢	41 H 582	9-140	9	65¢
41 H 803	4-140	4	32¢	41 H 805	10-140	10	71¢
41 H 807	5-140	5	38¢	41 H 583	11-140	11	77¢
41 H 802	6-140	6	44¢	41 H 806	12-140	12	84¢

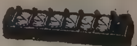
Series 141. Metal-to-metal spacing over bakelite ⅜". Base 1⅛" wide x ½" high. 7⁄16" centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
41 H 835	2-141	2	23¢	41 H 838	6-141	6	.56
41 H 836	3-141	3	32¢	41 H 839	8-141	8	.74
41 H 837	4-141	4	41¢	41 H 840	10-141	10	.92
41 H 842	5-141	5	49¢	41 H 841	12-141	12	1.08

Series 142. Metal-to-metal spacing over bakelite 9⁄16". Base 15⁄16" wide x ⅝" high. 9⁄16" centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
41 H 670	2-142	2	27¢	41 H 674	6-142	6	.69
41 H 671	3-142	3	38¢	41 H 676	8-142	8	.90
41 H 672	4-142	4	49¢	41 H 678	10-142	10	1.12
41 H 673	5-142	5	59¢	41 H 680	12-142	12	1.32

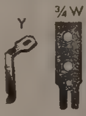
SERIES 170 MINIATURE BARRIER STRIPS



Series 171 miniature types have single 2—56x¼" binder-head machine screw terminals on ¼" ctrs. and ⅛" dia. mtg. holes; size, 5⁄16" h. x 13⁄32" w. Series 172 have double screw terminals on ¼" ctrs., 2—56x¼" binder-head machine screws and ⅛" dia. mtg. holes; size, ⅝" h. x 5⁄16" w. Series 173 have single screw terminals on ⅜" ctrs., 4—40x5⁄16" binder-head machine screws and 5⁄32" dia. mtg. holes; ½" h. x ⅜" w. 5 oz.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
42 H 947	2-171	2	.18	42 H 984	10-172	10	1.38
42 H 948	3-171	3	.25	42 H 987	11-172	11	1.51
42 H 949	4-171	4	.32	42 H 988	12-172	12	1.63
42 H 972	5-171	5	.38	42 H 989	13-172	13	1.74
42 H 973	6-171	6	.45	42 H 990	14-172	14	1.86
42 H 974	7-171	7	.52	42 H 991	2-173	2	.23
42 H 975	8-171	8	.59	42 H 992	3-173	3	.32
42 H 976	2-172	2	.43	42 H 993	4-173	4	.41
42 H 977	3-172	3	.55	42 H 994	5-173	5	.50
42 H 978	4-172	4	.67	42 H 995	6-173	6	.59
42 H 979	5-172	5	.79	42 H 996	7-173	7	.68
42 H 980	6-172	6	.90	42 H 997	8-173	8	.77
42 H 981	7-172	7	1.02	42 H 998	9-173	9	.86
42 H 982	8-172	8	1.14	42 H 999	10-173	10	.94
42 H 983	9-172	9	1.26	......	......	......	......

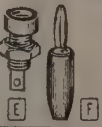
ADAPTER SOLDER TERMINALS



Adapt barrier strips (listed left, below) for top-side or underside solder connections. Type ¾W permits top-side soldering to barrier terminals; Type Y is for underside solder connections. Constructed of sturdy brass; with durable hot-tin finish. Fasten securely under binder head screws. Av. shpg. wt., 3 oz.

TYPE ¾ W				TYPE Y			
Stock No.	**Mfr's Type**	**For Series**	**EACH**	**Stock No.**	**Mfr's Type**	**For Series**	**EACH**
41 H 234	¾W-140	140	2¢	41 H 246	Y-140	140	3¢
41 H 235	¾W-141	141	3¢	41 H 247	Y-141	141	3¢
41 H 236	¾W-142	142	4¢	41 H 248	Y-142	142	4¢

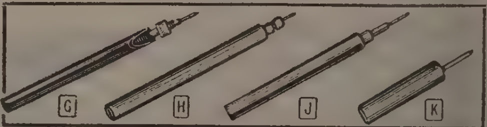
E. F. JOHNSON BANANA JACKS AND PLUGS



Series 108. Low-loss body. Capacity to 1⁄16" metal panel 2.4 mmf. Breakdown test 12,500 v. DC. Jacks (fig. E) have cadmium-plated insert. Supplied with 5⁄16"-32 nut for mtg. jack in 21⁄64" dia. hole. Plugs (fig. F) have one-piece nickel-plated brass body and pin with nickel-silver springs. Solderless connection takes up to No. 16 stranded wire. Insulating sleeve on plug. 6 colors. Overall lengths: jack, 15⁄16"; plug, 1⅜". Av. shpg. wt., 2 oz.

Color	Stock No.	Type	Fig.	EA.	Stock No.	Type	Fig.	EA.
White	46 H 371	108-901	E	10¢	46 H 379	108-301	F	19¢
Red	46 H 372	108-902	E		46 H 380	108-302	F	
Black	46 H 373	108-903	E		46 H 381	108-303	F	
Green	46 H 374	108-904	E		46 H 382	108-304	F	
Blue	46 H 297	108-910	E		46 H 298	108-310	F	
Yellow	46 H 377	108-907	E		46 H 384	108-307	F	

H. H. SMITH TEST PRODS



G **Type 302 Solderless Test Prod.** Threaded prod with 4" long plastic handle, ⅜" outer diameter. Nickel-plated phone tip. Wire fits through handle and body of plug, wraps around screw portion—secured by knurled collar. Shpg. wt., 4 oz.
42 H 110. Red. **42 H 111.** Black.................. **Each** 30¢

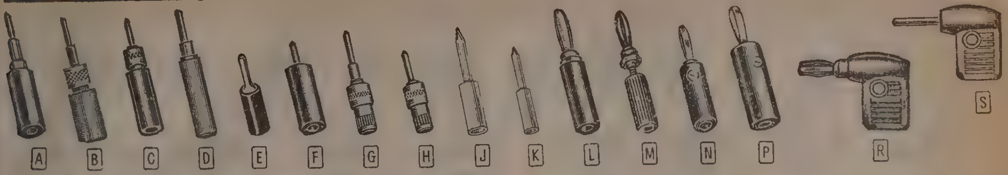
G **Type 323 Solderless Fiber Test Prod.** Has 4" bone fiber handle with extra large ¼" inside diameter for heavy-duty wire. Body is nickel-plated brass. Wire fits through handle and body of plug, wraps around screw portion. Secured by knurled collar. Wt., 4 oz.
42 H 258. Red. **42 H 259.** Black.................. **Each** 30¢

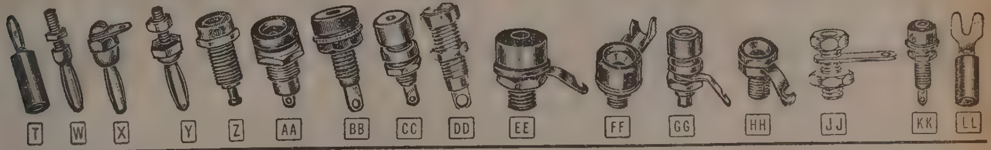
H **Type 317 Phono Needle Test Prod.** Brass, nickel-plated body with steel, nickel-plated phono-type needle. Has removable chuck for replacing broken needles. Needle pierces plating or corrosion to insure positive readings. Plastic handle 6" long overall ⅜" O.D.
42 H 373. Red. **42 H 374.** Black.................. **Each** 30¢

J **Type 319 Heavy-Duty Test Prod.** Threaded type with extra-sturdy brass, nickel-plated tip. Molded plastic handle, overall length 53⁄16" long. ⅜" outer dia. Fits standard phone tip jacks. 3 oz.
42 H 375. Red. **42 H 376.** Black.................. **Each** 30¢

K **Type 363 Short Tip Jack.** Threaded type with brass, nickel-plated phone tip. Tip inserts flush in 4" long, ⅜" diameter insulated molded handle—reduces possibility of shock or grounding. 3 oz.
42 H 223. Red......**42 H 224. Black**.................. **Each** 21¢

H. H. Smith Plugs and Jacks





INSULATED TIP PLUGS

A **Type 229 Heavy-Duty Phone Tip Plug.** Insulated handle of unbreakable plastic. One-piece nickel-plated brass construction for heavier current applications. Has large dia. to accept heavy-duty wire. 2⅛" long. Shpg. wt. 3 oz.

39 A 100. Red Each
39 A 101. Black 18¢
39 A 102. Yellow

B **Type 200 "Senior" Solderless Phone Tip Plug.** Knurled nut tightens against wire making soldering unnecessary. Plug is nickel-plated brass; handle, plastic. 2⅛" long. Wt., 3 oz.

39 A 103. Red Each
39 A 104. Black 18¢
39 A 105. Yellow

C **Type 201 "Junior" Solderless Phone Tip Plug.** Has same tightening assembly as Type 200, above. Plastic handle; nickel-plated brass. 1 29/32" long. 3 oz.

39 A 106. Red Each
39 A 107. Black 18¢
39 A 108. Yellow

D **Subminiature Phone Tip.** ¼" O.D. bone fiber handle. Nickel-plated brass body. 1 23/32" overall length. 2 oz.

Stock No.	Type	Color
39 A 109	270	Red
39 A 110	270	Black

Each......................22¢

E **Type 237 Hollow Phone Tip Plug.** Unbreakable plastic handle. Nickel-plated drawn brass. For standard tip jacks. 1⅛" long. Shpg. wt., 3 oz.

39 A 111. Red
39 A 112. Black......Each 12¢

F **Short Phone Tip Plug.** Shoulderless tip permits insertion to insulated handle. Nickel-plated brass body. 1½" long. Shpg. wt., 3 oz.

Stock No.	Type	Color
39 A 113	203	Red
39 A 114	203	Black
39 A 115	203	Yellow

Each......................15¢

NON-INSULATED TIP PLUGS

G **Type 105 "Senior" Solderless Phone Tip Plug.** Has knurled nut for fastening wire. 1 21/32" long. Shpg. wt. 2 oz.
39 A 116............Each 13¢

H **Type 106 "Junior" Solderless Phone Tip Plug.** As above but 1 3/16" long. 2 oz.
39 A 117............Each 13¢

J **Type 123 Heavy-Duty Cord Tip.** Fits standard phone tip jacks. 1" long. Nickel-plated brass. Solder type. Shpg. wt., 2 oz.
43 H 985. Pkg. of 10..... 30¢

K **Type 108 Standard Cord Tip.** For test panels, headphones, etc. Length, 1". 2 oz.
43 H 986. Pkg. of 10...... 25¢

RIGHT-ANGLE TYPE MOLDED METER PLUGS

R **Banana-Type Meter Plug.** Four-leafed phosphor bronze spring; nickel-plated. Tip is 13/32" long. Color-coded for ready identification. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 A 118	255	Red
39 A 119	255	Black

Each......................42¢

S **Meter Tip Plug.** Molded in two halves for easy assembly with screw and nut. Nickel-plated tip is ½" long. Color-coded in red or black. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 A 120	235	Red
39 A 121	235	Black

Each......................32¢

INSULATED BANANA PLUGS

L **Insulated, Spring Tip.** Molded plastic handle. Wire can be soldered to brass stud which is supplied, or directly into plug. Length, 1 13/16". Five color codes. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 A 122	212	Red
39 A 123	212	Black
39 A 124	212	Yellow
39 A 125	212	Green
39 A 126	212	Blue

Each......................25¢

M **Type 236 Insulated, Spring Tip.** Plastic handle. Nickel-plated tip. Fits all standard banana jacks. Four leafed spring provides lasting contact. Length, 1 15/16". Identify easily with color codes. Shpg. wt., 2 oz.

39 A 127. Red.
39 A 128. Black....Each 40¢

N **Insulated, Spring Tip.** Solderless; has set screw in plastic handle. Nickel-plated tip. Length, 1⅝". Five colors for easy identification. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 A 129	204	Red
39 A 130	204	Black
39 A 131	204	Yellow
39 A 132	204	Green
39 A 133	204	Blue

Each......................22¢

P **Insulated, Split Tip.** Solderless; has set screw in handle. 1 9/16". Selection of five color codes. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 A 134	213	Red
39 A 136	213	Black
39 A 137	213	Yellow

Each......................22¢

BANANA PLUGS

T **Type 211 Insulated Spring Tip.** Nickel-plated brass tip. Wire can be soldered to brass stud supplied. 1⅝". 2 oz.

39 A 138. Red
39 A 056. Black Each
39 A 140. Yellow 22¢
39 A 141. Green
39 A 142. Blue

W **Type 103 All-Metal, Spring Tip.** Has solder lug. Four-leafed spring. Nickel-plated. 6-32x ½" stud. 1 9/32". 2 oz.
39 A 145............Each 18¢

X **Type 100 All-Metal, Spring Tip.** As above, but internal threads permit use on all size panels. 2 9/32". Wt. 2 oz.
39 A 146............Each 18¢

Y **Type 102 All-Metal, Spring Tip.** Nickel-plated, one-piece construction. 6-32x⅜" stud. Length, 1¾". Wt., 2 oz.
39 A 147............Each 18¢

TIP JACKS

Z **Miniature Nylon Tip Jack.** Phosphor-bronze with gold plating. Fits in ¼" hole; mounts in panels up to ¼" thick. Overall size, 5/16x63/64" dia. 2 oz.

Stock No.	Type	Color
39 A 150	1505	Red
39 A 151	1505	Black
39 A 152	1505	Yellow
39 A 153	1505	Green
39 A 154	1505	Blue

Each......................25¢

AA **Nylon Tip Jack.** Completely insulated; has phosphor bronze contact. 1 1/32". 2 oz.

Stock No.	Type	Color
39 A 155	240	Red
39 A 156	240	Black
39 A 157	240	Yellow
39 A 158	240	Green
39 A 159	240	Blue

Each......................22¢

BB **Insulated Tip Jack.** Body is nickel-plated brass with phosphor-bronze spring. Molded plastic head. Jack mounts in 5/16" hole in panels up to ¼" thick. 1x 7/16". Shpg. wt., 2 oz.

Stock No.	Type	Color
39 A 160	202	Red
39 A 161	202	Black
39 A 162	202	Yellow

Each......................17¢

CC **Type 241 Insulated Tip Jack.** Has sturdy molded nylon head and insulating washer. Nickel-plated brass body. Mounts in 5/16" hole. Shpg. wt., 2 oz.

39 A 163. Red
39 A 164. Black Each
39 A 165. Yellow 20¢
39 A 166. Green
39 A 167. Blue

TIP JACK

DD **Type 107 Non-Insulated Tip Jack.** ¼" mtg. hole; ⅜" max. panel thickness. Shpg. wt., 2 oz.
39 A 168............Each 13¢

BANANA JACKS

EE **Insulated Banana Jack.** With solder lug and removable top. 5/16" mtg. hole; ⅜" panel thickness. 43/64" long. 2 oz.

Stock No.	Type	Color
39 A 169	205	Red
39 A 170	205	Black
39 A 171	205	Yellow
39 A 172	205	Green
39 A 173	205	Blue

Each......................17¢

FF **Insulated Banana Jack.** Has molded plastic head. Fits 5/16" mounting hole; for ⅜" max. panel thickness. 2 oz.

Stock No.	Type	Color
39 A 174	219	Red
39 A 175	219	Black
39 A 176	219	Yellow
39 A 177	219	Green
39 A 178	219	Blue

Each......................23¢

GG **Type 221 Insulated Banana Jack.** Molded nylon head and insulating washer. 5/16" mtg. hole; ¼" panel thickness. 2 oz.

39 A 179. Red
39 A 180. Black Each
39 A 181. Yellow 22¢
39 A 183. Green
39 A 184. Blue

HH **Type 101 Non-Insulated Banana Jack.** Brass tinned lug. 5/16" mtg. hole; ½" max. panel thickness. 2 oz.
39 A 185......................14¢

JJ **Type 109 Non-Insulated Banana Jack.** ¼" mtg. hole; ⅝" thickness. 2 oz.
39 A 186......................12¢

COMBINATION JACK

KK **Insulated Combination Jack.** Accommodates all standard phone tip or banana plugs. Nickel-plated brass body. Mounts in 5/16" hole; panels to ⅝" thick. Length, 1 5/32". Wt., 2 oz.

Stock No.	Type	Color
39 A 187	206	Red
39 A 188	206	Black
39 A 191	206	Yellow
39 A 193	206	Green
39 A 194	206	Blue

Each......................20¢

INSULATED SPADE LUG

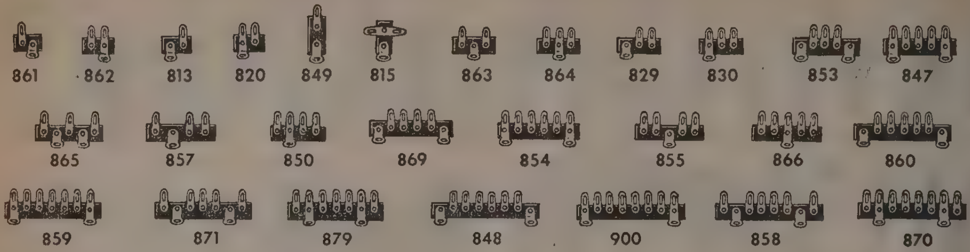
LL **Banana Plug To Spade Lug Adapter.** Jack in rear allows insertion of banana plug. 1 39/64" long. ⅜" O.D. 2 oz.

Stock No.	Type	Color
39 A 195	218	Red
39 A 197	218	Black

Each......................13¢

Terminal and Fanning Strips, Lugs, Snaps, Studs

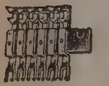
H. H. SMITH LUG-TYPE TERMINAL STRIPS



Dark brown bakelite strips, 1/16" thick x 3/8" wide. Solder-coated steel lugs have 3/8" centers. 9/64" dia. mtg. holes. 2 oz. **5 per pkg.**

Stock No.	Mfr's Type	PER PKG.	Stock No.	Mfr's Type	PER PKG.	Stock No.	Mfr's Type	PER PKG.
39 A 060	861	14¢	39 A 079	830	19¢	39 A 089	866	22¢
39 A 057	862	14¢	39 A 080	853	28¢	39 A 090	860	28¢
39 A 058	813	14¢	39 A 081	847	25¢	39 A 091	859	30¢
39 A 059	820	14¢	39 A 082	865	25¢	39 A 092	871	28¢
39 A 074	849	16¢	39 A 084	857	23¢	39 A 093	879	30¢
39 A 075	815	23¢	39 A 085	850	23¢	39 A 095	848	33¢
39 A 076	863	16¢	39 A 086	869	30¢	39 A 096	900	33¢
39 A 077	864	16¢	39 A 087	854	30¢	39 A 097	858	31¢
39 A 078	829	17¢	39 A 088	855	20¢	39 A 098	870	33¢

CINCH-JONES FANNING STRIPS



Fit Cinch-Jones Series 140 and 141 barrier terminals. Precision manufactured to insure positive, firm connections—ideal for either cable or harness wiring. Facilitate disconnecting subassemblies for servicing or replacement purposes. Made of 3/32" laminated bakelite strip with a hole in either end of strip for fastening cable with cable clamp, below, or with lacing twine. Prefix in Type No. indicates number of terminals. Terminals are of .032" thick cadmium-plated brass. Average shpg. wt., 3 oz.

Series 160L. Fit Series 140 barrier terminals on 3/8" ctrs. 1/2" wide.

Stock No.	Mfr's Type	EACH	Stock No.	Mfr's Type	EACH
41 H 808	2-160L	.10	41 H 817	8-160L	.42
41 H 809	3 160L	.16	41 H 811	9 160L	.47
41 H 812	4-160L	.21	41 H 818	10 160L	.52
41 H 813	5-160L	.26	41 H 815	11-160L	.57
41 H 814	6-160L	.32	41 H 819	12-160L	.63
41 H 810	7-160L	.37			

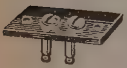
Series 161L. Fit Series 141 barrier terminals on 7/16" ctrs. 5/8" wide.

Stock No.	Mfr's Type	EACH	Stock No.	Mfr's Type	EACH
41 H 822	2-161L	.11	41 H 829	8-161L	.42
41 H 823	3-161L	.17	41 H 820	9 161L	.48
41 H 824	4-161L	.21	41 H 832	10-161L	.54
41 H 827	5 161L	.27	41 H 821	11-161L	.59
41 H 828	6-161L	.33	41 H 833	12-161L	.63
41 H 816	7 161L	.38			

Cable Clamps. For fanning strips, above. Nickel-plated brass; 6-32 round head-screws. Sizes below are I.D. 2 oz.

Stock No.	Mfr's Type	Size	EACH
41 H 852	161-4	1/4"	.15
41 H 853	161-6	3/8"	.16
41 H 854	161-8	1/2"	.17

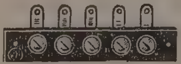
H. H. SMITH HEAVY-DUTY STRIPS



Ideal for antenna and ground connections or speaker connections on receivers, for, power supply terminals—anywhere a terminal strip of high strength is required. Constructed of 3/32" thick black bakelite, 7/8" wide. Have 8-32x5/16" nickel-plated screw terminals and cadmium-plated brass solder lugs. Drilled for 2-hole chassis mounting. Av. wt., 4 oz.

Stock No.	Terminals	EACH	Stock No.	Terminals	EACH
41 H 875	2	24¢	41 H 895	6	51¢
41 H 880	3	32¢	41 H 897	7	58¢
41 H 885	4	38¢	41 H 898	8	65¢
41 H 890	5	45¢			

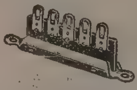
CINCH-JONES TERMINAL STRIPS



Screw-type terminal strips for chassis and breadboarding applications. Have solder-coated brass terminal lugs on 7/16" centers; .136" dia. mounting holes. 1/16" thick bakelite strips. Av. wt., 2 oz.

Stock No.	Type	Ter .	2 For	Stock No.	Type	Term.	2 For
41 H 201	17-1	1	8¢	41 H 221	17-6	6	36¢
41 H 202	17-2	2	14¢	41 H 222	17-7	7	46¢
41 H 210	17-3	3	20¢	41 H 231	17-8	8	52¢
41 H 211	17-4	4	26¢	41 H 232	17-9	9	58¢
41 H 220	17-5	5	30¢	41 H 233	17-10*	10	64¢

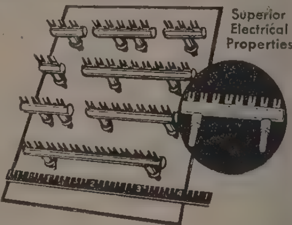
CINCH-JONES TERMINAL STRIPS



Series 2000. Compact terminal strips, of .019" brass, tin-plated, and spaced on 5/16" centers. Molded bakelite insulation. Mounting brackets are made of cadmium-plated steel. Mounting holes at each end of bracket. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Term	Mtg. Ctrs.	EACH	Stock No.	Mfr's Type	Term	Mtg. Ctrs.	EACH
41 H 687	2002	2	1"	8¢	41 H 691	2006	6	2 1/4"	13¢
41 H 688	2003	3	1 5/16"	9¢	41 H 693	2008	8	2 7/8"	15¢
41 H 689	2004	4	1 5/8"	11¢	41 H 695	2010	10	3 1/2"	17¢
41 H 690	2005	5	1 15/16"	11¢	41 H 697	2012	12	4 1/8"	20¢

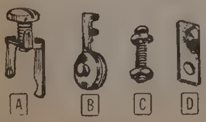
ELECTRO-GLASS MOUNTING STRIPS



Electro-Glass Laboratories polypropylene strips are designed to increase production efficiency and contribute to compact circuitry. Dielectric constants are 400% better than phenolic, 200% better than ceramic. Loss factors are 200 times better than phenolic, 30 times better than ceramic, even as frequencies increase. Fasten to chassis by speed nut, pressure fit, etc. Improved serviceability is possible since all test points are accessible and components can easily be replaced. Lightweight and non breakable. Av. shpg. wt., 2 oz

Stock No.	Mfr's Type	Term.	Lgth.	EACH
43 H 090	MS-1-PP-2	2	19/32"	10¢
43 H 091	MS-1-PP-3	3	57/64"	10¢
43 H 092	MS-1-PP-4	4	1 3/16"	13¢
43 H 093	MS-1-PP-5	5	1 15/32"	13¢
43 H 094	MS-1-PP-7	7	2 1/16"	13¢
43 H 095	MS-1-PP-9	9	2 21/32"	16¢
43 H 096	MS-1-PP-11	11	3 15/64"	16¢

TERMINAL LUGS, SNAPS AND STUDS



A **Terminal Lugs.** Screw-mount to chassis. 2 solder lugs. 4 oz. **10 per pkg.**
41 H 767 .... **Per Pkg. 51¢**

B **Nu-Way Snaps.** For temporary or permanent connections. 7/16"x7/8" dia. 12 oz. **100 per pkg.**
44 H 450 .... **Per Pkg. 7.90**

C **Nu-Way Studs.** For panel or chassis mtg. Fit snaps. 6-32x1/2". 12 oz. **100 per pkg.**
44 H 452 .... **Per Pkg. 5.00**

D **Nu-Way Flush-Mount Lugs.** Fit snaps. Have 6-32 mtg. hole. 12 oz. **100 per pkg.**
44 H 451 .... **Per Pkg. 5.00**

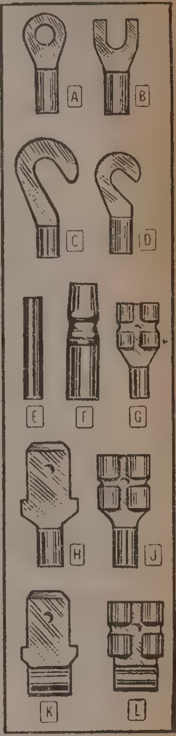
Vaco Solderless Terminals, Crimping Tools

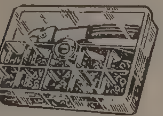
Vaco Single-Grip Solderless Terminals. Form perfect electrical connections. Ideal for general-purpose work or radio, TV and appliance servicing. Of chrome-plated copper alloy. Series 10000 are one-piece non-insulated types. Series 50000 are insulated; heavy plastic sleeve provides insulation from tongue to wire covering. *Butt connector; †snap terminal; §female tab socket; ††¼" male tab; ‡¼" angle male tab; #angle female tab socket. Use crimping tool, below. Wts., pkg. of 100, 8 oz.; economy pack, 3 oz.

NON-INSULATED TERMINALS

ECONOMY PACKAGES

							Non-Insulated				Insulated			
Wire Size	Stud Size	Lth.	Fig.	Stock No.	Mfr's Type	PER PKG. of 100	Stock No.	Type	Pkg. Qty.	PER PKG.	Stock No.	Type	Pkg. Qty.	PER PKG.
22-18	4	19/32"	A	44 H 200	11204	2.22	44 H 260	11204	41	1.00	44 H 268	51204	20	1.00
22-16	4-6	17/32"	A	42 H 800	11205		44 H 476	11205	41		44 H 269	51205	20	
22-16	4-6	3/4"	A	42 H 801	11206		44 H 481	11206	41		44 H 270	51206	20	
22-18	8	43/64"	A	44 H 201	11208		44 H 261	11208	41		44 H 271	51208	20	
22-16	8-10	3/4"	A	42 H 802	11210		44 H 482	11210	41		44 H 272	51210	20	
16-14	4	9/16"	A	44 H 203	11304	2.22	44 H 262	11304	41	1.00	44 H 273	51304	20	1.00
16-14	4-6	17/32"	A	42 H 803	11305		44 H 477	11305	41		44 H 274	51305	20	
16-14	4-6	23/32"	A	42 H 804	11306		44 H 485	11306	41		44 H 275	51306	20	
16-14	8	23/32"	A	44 H 204	11308		44 H 263	11308	41		44 H 276	51308	20	
16-14	8-10	23/32"	A	42 H 805	11310		44 H 486	11310	41		44 H 277	51310	20	
12-10	8-10	3/4"	A	42 H 807	11410	2.77	44 H 489	11410	32	1.00	....	....	.....	......
12-10	12-1/4	29/32"	A	42 H 808	11414	3.68	44 H 490	11414	24		....	....	.....	......
22-18	4	17/32"	B	44 H 205	13204	1.98	44 H 264	13204	45		44 H 278	53204	20	1.00
22-16	4-6	17/32"	B	42 H 812	13206	1.98	44 H 265	13206	45		44 H 279	53206	20	1.00
22-18	8	41/64"	B	44 H 206	13208	2.22	44 H 266	13208	41		44 H 280	53208	20	1.00
22-18	10	11/16"	B	44 H 207	13210	2.22	44 H 267	13210	41	1.00	44 H 281	53210	20	1.00
16-14	4-6	49/64"	B	42 H 810	13306	2.22	44 H 492	13306	41		44 H 282	53306	20	
16-14	8	21/32"	B	44 H 208	13308	2.22	44 H 283	13308	41		44 H 303	53308	20	
16-14	8-10	49/64"	B	42 H 811	13310	2.22	44 H 493	13310	41		44 H 304	53310	20	
22-16	4-6	9/16"	B	42 H 809	14206	1.98	44 H 498	14206	45		44 H 305	54206	20	
22-16	4-8	5/8"	C	42 H 819	15208	1.98	44 H 499	15208	45	1.00	44 H 306	55208	20	1.00
16-14	4-6	19/32"	D	44 H 209	15306	2.22	44 H 284	15306	41		44 H 307	55306	20	
16-14	8	21/32"	C	44 H 210	15308	2.22	44 H 285	15308	41		44 H 308	55308	20	
16-14	10	45/64"	C	44 H 211	15310	2.22	44 H 286	15310	41		44 H 309	55310	20	
22-16	......	9/16"	E*	42 H 816	17202	1.72	44 H 287	17202	52		44 H 310	57202	20	
16-14	......	9/16"	E*	42 H 817	17302	1.72	44 H 288	17302	52	1.00	44 H 311	57302	20	1.00
12-10	......	11/16"	E*	42 H 818	17402	2.22	44 H 289	17402	41		44 H 312	57402	17	1.00
16-14	......	5/8"	F†	42 H 813	19301	1.72	44 H 290	19301	52		....	....	.....	..
22-18	......	17/32"	G§	44 H 213	18204	2.22	44 H 294	18204	41		....	....	.....	......
18-14	......	23/32"	H††	42 H.820	18301	2.22	44 H 295	18301	41	1.00	44 H 313	58301	20	1.00
18-14	......	23/32"	J§	42 H 821	18302		44 H 297	18302	41		44 H 314	58302	17	1.00
18-14	......	9/16"	K‡	42 H 822	18303		44 H 301	18303	41		....	....	.....	......
18-14	......	15/32"	L#	42 H 823	18304		44 H 302	18304	41		....	....	.....	......

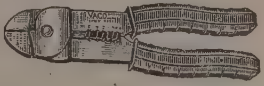




SERVICE KIT

Model 2195. Handy kit contains approximately 250 terminals (a $5.00 value) plus type 1900 crimper-cutter tool (see right). Tool cuts and strips wire, then crimps terminal on stripped portion of wire. Kit includes assortment of these single-grip terminals: 11205, 11206, 11210, 11305, 11306, 11310, 14206, 13306, 13310, 15208. In clear plastic 8¾x6x1¾" box with individual compartments. Wt., 2 lbs.

44 H 427 .... 8.95



CRIMPING TOOLS

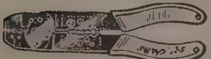
Model 1906. Designed for crimping insulated solderless terminals, above. Strips insulation from No. 22 to No. 10 wire. Tool has two dies, chrome-plated steel jaws, red plastic handles. Shpg. wt., 1 lb.

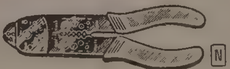
44 H 228 .... 4.25

Model 1900. Above, but for crimping non-insulated terminals. With 3 crimping dies. Wt., 1 lb.

44 H 233 .... 3.95

A-MP CRIMPING TOOLS


M


N

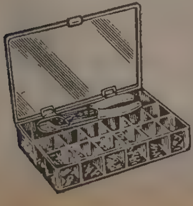
M Type 47100-1 "Super Champ" Crimping Tool. Crimps insulated solderless terminals, shears machine screws, measures stud sizes, cuts and strips wire. Shears bolts in 10-24, 10-32, 8-32, 6-32 and 4-40 sizes. Has B&S wire gauge. Constructed of tool steel, with insulated plastic handles. Lgth., 7⅜". Shpg. wt., 1 lb.

45 H 321 .... 4.95

N Type 49835-1. For crimping non-insulated terminals. Otherwise has same versatile features as above—shears machine screws, measures stud sizes, cuts and strips wire. Wt., 1 lb.

44 H 453 .... 4.95

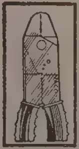
A-MP TERMINAL KIT

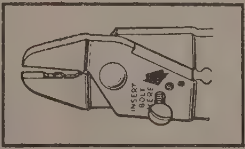


Type 29033. Assortment of most popular insulated solderless terminals for general wiring applications, plus the heavy-duty type 47100-1 Super-Champ crimping tool (above). Terminals and tool are in handy transparent box with compartments. Ideal for radio-TV and electrical servicemen—eliminates soldering. For all wire sizes from No. 10 to 22, and most-often used stud sizes. Case, 9¾x6½x2". Shpg. wt., 2 lbs.

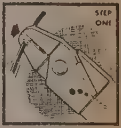
45 H 322 .... 19.95

NEW VACO CRIMPING TOOL

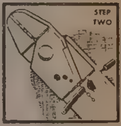

1963 Tool



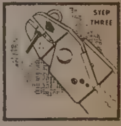
Advanced Bolt Slicing Feature



Cut Wire



Strip Insulation



Crimp Terminal

It's As Easy As 1, 2, 3!

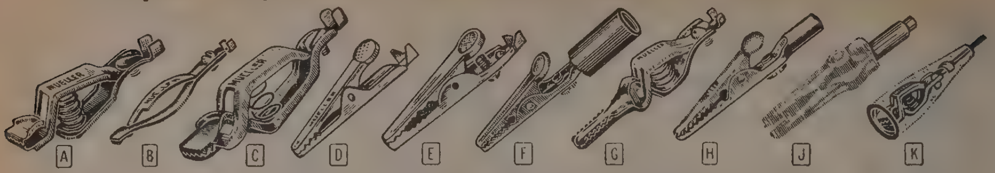
• Cuts • Strips • Crimps

Model 1963. Modern device gives you virtually everything you need for fast, dependable electrical connections without need for soldering! Handy all-purpose tool has crimping dies for both insulated and non-insulated terminals, also cuts and strips wire—has hundreds of uses around the home, office, garage or shop. Wire cutter at tip for close work. Wire stripping notches are provided for No. 10, 12, 14, 16, 18, 20-22 wire.

Also shears six sizes of bolts: 10-32, 6-32, 5-40, 10-24, 8-32 and 4-40. Just screw bolt in threaded hole and squeeze—slices clean, no burrs to file. New improved-action bolt slicing principle requires less hand pressure to do the job. Steel tool has plastic handles. Shpg. wt., 2 lbs.

44 H 237 .... 4.85

Clips, Slip-On Clip Insulators, Tube Caps



MUELLER CLIPS AND FLEXIBLE INSULATORS

MESH-TEETH TEST CLIPS

A For general purpose use. Type 45C, solid copper; 45, cadmium-plated steel. 3 oz.

Stock No.	Type	Amps	Size	EA.
45 H 000	45	5	1⅛″	8¢
45 H 005	45C	10	1⅛″	14¢

LEAD-PLATED BATTERY CLIPS

A For moderately heavy current work, including battery charging, electroplating, and light welding. Av. shpg. wt., 4 oz.

Stock No.	Type	Amps	Marking	Size	EA.
45 H 021	24A	25	Plus sign	2⅞″	.24
45 H 022	24A	25	Unmarked	2⅞″	.24
45 H 023	21A	50	Plus sign	4″	.42
45 H 024	21A	50	Unmarked	4″	.42
45 H 026	11A	100	Plus sign	6″	1.06
45 H 027	11A	100	Unmarked	6″	1.06

SOLID-COPPER CLIPS

A Heavy duty, high-conductivity clips. Shpg. wts.: 25C, 2 oz.; 21C, 3 oz.; 11C, 8 oz.

Stock No.	Type	Amps	Marking	Size	EA.
45 H 073	25C	75	Unmarked	3″	.43
45 H 031	21C	100	Plus sign	4½″	.97
45 H 032	21C	100	Unmarked	4½″	.97
45 H 033	11C	200	Plus sign	6″	1.81
45 H 034	11C	200	Unmarked	6″	1.81

NONFERROUS RF TEST CLIP

B **Type 88.** Phosphor bronze clip, brass screw. Ideal for coils. 1 11/16″. Shpg. wt., per 100, ¾ lb.

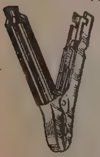
45 H 055 . . . . 23¢

3-SIDED MESH-TEETH CLIPS

C §Cadmium-plated steel; *solid copper; ‡solid bronze. †Insulation-piercing needle. Jaws open ⅝″. Shpg. wt., per 100. 3¼ lbs.

Stock No.	Type	Amps	Size	EA.
45 H 010	§48B	10	2″	12¢
45 H 078	*48C	10	2″	17¢
45 H 087	‡†50C	10	2¼″	28¢
45 H 015	§27	20	2 7/16″	14¢
45 H 088	‡51C	20	2¼″	19¢
45 H 074	25	40	3″	21¢
45 H 097	*27C	40	2 7/16″	23¢

NEW HIPPO-CLIPS
TYPE 41A



Plier clips for fast battery chargers and battery-booster cables. Tough vinyl insulating sleeves marked for polarity. Cable attaches quickly with solder strap and cable-clinching ears. Locks on battery terminal in any position. Wide 1 9/16″ jaw spread; 6″ long. Steel copper plated rated at 100 amps. Wt., per 100, 41 ozs.

45 H 076. **Red.** Positive. . . . . 75¢

45 H 077. **Black.** Negative. . . . . 75¢

"MINI-GATOR" CLIPS

D 3/16″ jaw opening, 11/64″ O.D. tip, including insulators. Type 30, cadmium-plated steel; 30C, solid copper. Per 100, 4 oz.

Stock No.	Type	Amps	Size	EA.
45 H 142	30	5	1 1/16″	6¢
45 H 143	30C	10	1 1/16″	7¢

"MICRO-GATOR" CLIPS

Similar to "Mini-gators" but with tiny tip for small terminals, etc. Ideal heat sinks. §Cadmium plated steel; *solid copper. 1 oz.

45 H 176	§34	. . . .	1 3/32″	6¢
45 H 177	*34C	. . . .	1 3/32″	7¢

70 SERIES ALLIGATOR CLIPS

E §Cadmium plated steel; *solid copper; †solder connection; ‡screw connected. Wt., per 100, 1 lb.

45 H 170	§†70	5	1 11/16″	7¢
45 H 171	§‡70S	5	1 11/16″	8¢
45 H 172	*‡70CS	10	1 11/16″	11¢

INSULATED BARREL ALLIGATOR CLIPS

F Cadmium-plated steel, except *solid copper. Jaws open 5/16″. Per 100, 1½ lbs.

Stock No.	Type	Size	Handle	EACH
45 H 070	60HS	2 11/32″	Red	11¢
45 H 075	60HS	2 11/32″	Black	11¢
45 H 090	*60CHS	2 11/32″	Red	15¢
45 H 095	*60CHS	2 11/32″	Black	15¢

85 SERIES CROCODILE CLIPS

G ‡Phone tip on one jaw. Screw connections. Wt., per 100, 1¾ lbs.

Stock No.	Type	Size	Material	EA.
45 H 060	85	2⅛″	Cad.-plated steel	9¢
45 H 062	85C	2⅛″	Solid copper	18¢
45 H 098	‡85T	2⅝″	Cad.-plated steel	23¢

60 SERIES ALLIGATOR CLIPS

H †Solder type; "S"—screw type. Slim jaws; open 5/16″. Wt., per 100, 1 lb.

45 H 200	†60	2″	Cad.-plated steel	7¢
45 H 065	60S	2″	Cad.-plated steel	8¢
45 H 080	60CS	2″	Solid copper	12¢

INSULATED ALLIGATOR CLIPS

J No. 63 clip, cadmium-plated steel; No 63C clip, solid-copper type for low resistance. Completely insulated with 2-piece vinyl insulator, available in either red or black. Slotted nose permits opening of clip without exposing metal. Size, 2⅛″. Shpg. wt., 3 oz.

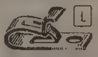
Stock No.	Type	Amps	Insulator	EACH
45 H 145	63	5	Red	19¢
45 H 146	63	5	Black	19¢
45 H 147	63C	10	Red	22¢
45 H 148	63C	10	Black	22¢

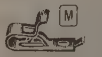
SLIP-ON INSULATORS FOR CLIPS

K Tough, flexible vinyl plastic insulators. High dielectric strength; holds clip firmly; resistant to oils and grease. Covers entire clip except for end of nose. Long tail prevents breakage of wire. Available in red and black to indicate polarity. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Use With Series	Color	EA.
45 H 036	13	11	Red	.80
45 H 037	13	11	Black	.80
45 H 038	23	21	Red	.40
45 H 039	23	21	Black	.40
45 H 041	26	24, 25	Red	.21
45 H 042	26	24, 25	Black	.21
45 H 043	29	27	Red	.13
45 H 044	29	27	Black	.13
45 H 046	32	30	Red	.05
45 H 047	32	30	Black	.05
45 H 051	36	34	Red	.05
45 H 052	36	34	Black	.05
45 H 053	47	45	Red	.06
45 H 054	47	45	Black	.06
45 H 056	49	48, 50	Red	.09
45 H 057	49	48, 50	Black	.09
45 H 058	62	60, 70	Red	.05
45 H 059	62	60, 70	Black	.05
45 H 061	72	70	Red	.05
45 H 063	72	70	Black	.05
45 H 064	87	85	Red	.06
45 H 066	87	85	Black	.06
45 H 067	93	88	Red	.12
45 H 068	93	88	Black	.12

FAHNESTOCK SPRING CLIPS

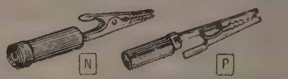




Made of brass, except *bronze Av. shpg. wt., 3 oz. per pkg.

Stock No.	Mfr's Type	Fig.	LxW	Max. Wire	Mtg. Hole	PKG. of 10
41 H 700	2	L	1x⅜″	10	8	17¢
41 H 702	3	L	1 1/16x⅜″	10	8	17¢
41 H 705	10	L	¾x5/16″	14	6	10¢
41 H 703	5	M	1 1/16x⅜″	10	8	19¢
41 H 707	15*	M	½x7/32″	16	4	10¢

H. H. SMITH
ADAPTER CLIPS



Alligator clips with jacks in handle to accept tip and/or banana plugs. Cadmium-plated steel.

N PLASTIC-HANDLE ALLIGATOR CLIPS

Type 305 With Combination Tip-Jack and Banana Jack. Ideal for use with test prods. Aids servicing. Red handle. 2 oz.

41 H 168 . . . . 39¢

41 H 169. **Type 305.** Above, but black. . . . 39¢

Type 304 With Tip Jack. Accommodates standard tip-plug only. Red handle. 2 oz.

41 H 300. . . . . 33¢

41 H 305. **Type 304.** Above, but black. . . . 33¢

P ALL-INSULATED ALLIGATOR CLIPS

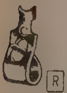
Type 337 With Banana Jack. Accommodates banana plug in receptacle end. 2 oz.

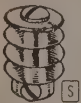
41 H 382. **Red** .24¢ 41 H 383. **Black** . .24¢

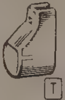
Type 336 With Tip Jack. Accommodates standard tip plug in receptacle end. 2 oz.

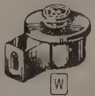
41 H 373. **Red** .36¢ 41 H 374. **Black** . .36¢

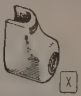
TUBE CAPS





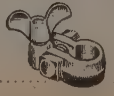






Heat dissipating types (Fig. S) have set-screw. Type 36011 (Fig. W) gives tight grip for industrial and mobile uses. Shpg. wt. per package, 3 oz.

Stock No.	Fig.	Description and Application	Pkg. Of	PER PKG.
42 H 514	R	National Type 24. For standard tubes, ⅜″ dia. grid caps.	5	.20
42 H 515	R	National Type 8. For octal tubes, ¼″ diameter grid caps.	5	.35
42 H 096	S	Eimac HR-6 heat dissipating cap for 4-250A, 304TH, etc. 23/64″ hole.	1	1.20
43 H 086	S	Bud TC-487 heat dissipating cap for UH50, HK24, 304B, 832A, 834. 1/16″ hole.	1	.67
43 H 088	S	Bud TC-1920 heat dissipating cap for 100T, 807, 4-125A, 2-150D, 250TH, 4-250A, 6146, 1625, 4D32, 807W, 1B3GT, etc. ⅜″ hole.	1	.67
43 H 089	S	Bud TC-1921 heat dissipating cap for 866, T125, HF100, 450TH, 750TH, 809, 811, 812, 813, 828, 866, etc. 9/16″ hole.	1	.78
43 H 243	W	Millen 36011 industrial snap-action-release, self-locking plate cap. 9/16″.	1	.75
42 H 175	T	National SPP-9 ceramic-insulated grid and plate cap. 9/16″	1	.24
42 H 518	R	National Type 12 grid and plate cap. 9/16″.	3	.21
43 H 244	X	Millen Type 36002 steatite tube cap. ⅜″	1	.24
43 H 245	X	Millen Type 36004 steatite tube cap. ¼″	1	.24
43 H 246	X	Millen 36001 steatite plate cap for 866, etc. 9/16″.	1	.24



BATTERY BINDING POST

250-amp rating. Separate threaded terminal for cables with lugs. 5 oz.

41 H 785 . . . . 56¢

Amphenol and Pomona Sockets and Adapters

AMPHENOL ACS SOCKET SHELL

Type 23-1S. Lightweight aluminum shell for Type RSS, RS and S sockets (except Type 49RSS7L). Permits extension of sockets 13/16″ above or below chassis. Body dia., 1 11/16″; 2 3/16″ base. Requires 1 3/4″ mounting hole. Socket not supplied. Wt., 5 oz.

40 H 127 .... 14¢

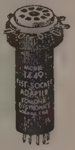
POMONA SOCKET SAVERS

Rigid-mounting socket savers are constructed of durable phenolic materials with long-life metal contacts. Protect your tube tester sockets from wear of repeated tube insertions. Plugs directly into original socket. Av. shpg. wt., 3 oz.

Stock No.	Type	Use With	EACH
40 H 668	SS-7	7-pin miniature	1.75
40 H 669	SS-8	8-pin octal	1.75
40 H 678	SS-9	9-pin miniature	1.75
42 H 240	SS-12	12-pin compactron	2.25

POMONA TEST SOCKET TUBE ADAPTERS

TVS-9



1447, 9

For measuring voltage, resistance, audio and video without tracing from bottom of chassis. TVS-7, TVS-8, TVS-9, TVS-12 feature extended test tabs; low-loss mica-filled molded phenolic construction per MIL-M-14. Voltage breakdown elements exceed 1700 V., AC or DC. Types 1447, 1449 (sizes: .65″ dia. x 1 21/32″, and .75″ dia. x 1 21/32″ respectively), are for use with tuners having captive or telescoping tube shields—shields or covers do not have to be removed. Voltage breakdown exceeds 1800 V., AC or DC. Av. shpg. wt., 5 oz.

Stock No.	Type	Pins	Description	EACH
40 H 035	TVS-7	7	Miniature	1.65
40 H 036	TVS-8	8	Octal	1.75
40 H 037	TVS-9	9	Miniature	1.85
42 H 211	TVS-12	12	Compactron	2.55
40 H 038	1447	7	Miniature	1.85
40 H 039	1449	9	Miniature	1.95

POMONA 110° TUBE CONVERSION ADAPTERS

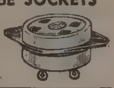
Model 110-S. Sylvania Type. For duodecal test equipment. No rewiring—plug in for 110° socket. Has .820″ pin circle dia. 7 pins, .093″ dia. Wt., 4 oz.

40 H 683. .... 1.55

Model 110-R. RCA Type. As above, but .6″ pin circle dia. 8 pins, .04″ dia. Wt., 5 oz.

40 H 684. .... 1.55

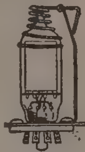
JAMES MILLEN TUBE SOCKETS



Steatite sockets for UHF use. Barriers between contacts for longer leakage path. Mounting centers, 1 3/4″. Shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
43 H 200	33004	4	60¢
43 H 201	33005	5	

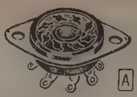
"MINI-SPRING" TUBE HOLD-DOWNS



Hold tubes securely in place. Prevent breakage and assure greater stability. Valuable where tubes are mounted upside down or in a horizontal position; also excellent for equipment subject to vibration and shock. For 7 or 9 pin miniature tubes. Mount with nut and bolt, or may be installed with rivet. Average shpg. wt., 3 oz. **10 per package.**

Stock No.	Height	For Tubes	Per Pkg.
41 H 320	2 3/8″	6AQ5, 6X4, 35B5, 35W4, 50B5, etc.	87¢
41 H 321	1 7/8″	1R5, 6AG5, 6AT6, 6BE6, 6C4, etc.	
41 H 322	1 1/2″	6AJ5, 6AK5, 6AL5, 6AS6, 6N4, etc.	
41 H 323	1 7/8″	12AT7, 12AU7, etc.	

AMPHENOL STANDARD TUBE SOCKETS



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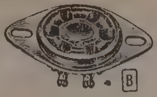

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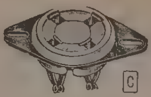

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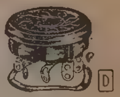


D

A **Type MIP.** Bakelite body with molded-in steel plate. *Require 1 1/8″ hole; mounting centers, 1 9/32″. All others have 1 5/32″ mounting centers. †Requires 1 1/8″ hole; others 1 5/8″ hole. §Mica-filled bakelite. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
40 H 024	77MIP4	4	14¢
40 H 025	77MIP5	5	15¢
40 H 026	77MIP6	6	18¢
40 H 027	77MIP7S	7 Small	19¢
40 H 029	77MIP7L†	7 Large	19¢
40 H 028	77MIP8	Octal	16¢
40 H 126	88-8*	Octal	17¢
40 H 030	88-8X*	Loktal	22¢
40 H 034	77MIP8T§	Octal	19¢
40 H 032	77MIP9	9	18¢
40 H 033	77MIP11	11	21¢
40 H 069	77MIP12	12	21¢
40 H 070	77MIP20	20	54¢

B **Type RS.** High dielectric bakelite body with removable steel mounting plate. Designed for mounting in size 1 11/64″ hole. Employ slotted mounting holes to fit centers from 1 1/2 to 1 7/8″. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
40 H 004	78RS4	4	18¢
40 H 005	78RS5	5	20¢
40 H 006	78RS6	6	21¢
40 H 008	78RS8	Octal	20¢
40 H 071	78RS11	11	25¢

C **Type RSS.** Ultra-low-loss steatite replacement sockets. Ruggedly constructed. Adaptable to a wide variety of uses. Excellent for use in high-frequency transmitting equipment, etc. All are universal type; have removable mounting plate with slotted holes 1 1/2 to 1 7/8″. Mounting hole, 1 1/4″ except 40 H 079, which requires 1 21/64″. Av. shpg. wt., 5 oz.

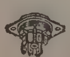
Stock No.	Type	Prongs	EACH
40 H 074	49RSS4	4	62¢
40 H 075	49RSS5	5	64¢
40 H 079	49RSS7L	7 Large	68¢
40 H 078	49RSS8	Octal	62¢

D **Type S.** High-dielectric molded bakelite body. Units are the same as Type RS, but without mounting plate. Mount quickly and easily without screws or rivets on panel or chassis up to .050″ thick with retainer ring supplied. Ruggedly built for trouble-free service. Socket may be positioned to line up contacts for convenient wiring. Require 1 11/64″ mounting hole. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
40 H 054	78S4	4	13¢
40 H 055	78S5	5	14¢
40 H 056	78S6	6	16¢
40 H 057	78S7S	7 Small	17¢
40 H 058	78S8	Octal	15¢
40 H 062	78S9	9	18¢
40 H 060	78S8L	Loktal	22¢
40 H 072	78S11	11	20¢

AMPHENOL MINIATURE SOCKETS AND SHIELDS

BAKELITE SOCKETS



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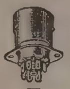

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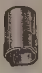

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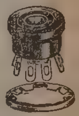


H

Miniature sockets and shields. 147 series mount in 5/8″ hole; 7/8″ mtg. ctrs., with 1/8″ holes. 59 series mount in 3/4″ hole and have 1 1/8″ mtg. ctrs. with .095″ holes (except 40 H 103, .125″). ‡Black bakelite. †Mica filled. Shpg. wt., 5 oz.

E WITHOUT TUBE SHIELD BASE

Stock No.	Type	Prongs	EACH
40 H 191	‡147-500	7	21¢
40 H 199	†147-505	7	22¢
40 H 193	‡59-409	9	27¢
40 H 167	†59-410	9	26¢

F WITH TUBE SHIELD BASE

Stock No.	Type	Prongs	EACH
40 H 194	‡147-905	7	28¢
40 H 175	†147-913	7	28¢
40 H 103	†59-403	9	39¢
40 H 176	†59-407	9	36¢
40 H 196	‡59-406	9	32¢

G TUBE SHIELDS

FOR 7-CONTACT SOCKETS

Stock No.	Type	Height	EACH
40 H 197	5-401	1 3/8″	16¢
40 H 198	5-402	1 3/4″	15¢

FOR 9-CONTACT SOCKETS

Stock No.	Type	Height	EACH
40 H 189	5-408	1 15/16″	19¢
40 H 190	5-409	2 3/8″	23¢

H RETAINER RING SOCKETS

Mount in 5/8″ round or "D" shaped hole with retainer rings provided. May be used with Amphenol Series 91-MPM plugs. 5 oz.

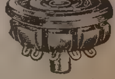
BLACK BAKELITE

Stock No.	Type	Prongs	EACH
40 H 131	78-S3S	3	9¢
40 H 115	78-S4S	4	12¢
40 H 122	78-S5S	5	16¢
40 H 130	78-S6S	6	17¢
40 H 120	78-7P	7	22¢

MICA-FILLED

Stock No.	Type	Prongs	EACH
40 H 124	78-7PT	7	22¢

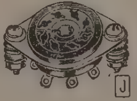
TYPE "S" MINIATURE SOCKETS



Full-size bakelite body with miniature 7 or 9-pin contacts. Ideal for recircuiting. Mounts in std. 1 11/64″ chassis hole with retainer ring (supplied). Wt., 5 oz.

40 H 113. 78-A7P. 7 Pin.............. 34¢
40 H 114. 78-A9P. 9 Pin.............. 34¢

AMPHENOL SPECIAL OCTAL AND MAGNAL SOCKETS



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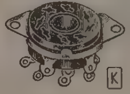

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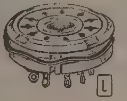


L

J **Type 77-MIP8FK Floating Octal.** Live-rubber grommets in enlarged mounting holes of sturdy steel plate. Mounts in 1 3/16″ hole with two 1/4″ holes on 1 1/2″ centers. Supplied with grommets, mtg. screws, nuts, washers. Shpg. wt., 5 oz.

40 H 043 .... 32¢

K **Type 168-015 Saddle Octal.** For below-chassis mounting. Steel plate is molded directly into bakelite body. For 1″ hole; 9/64″ mounting holes on 1 5/16″ centers. Wt., 5 oz.

40 H 118 .... 15¢

L **Type 49-SS11L Magnet.** Has 1 1/16″ pin circle to accept 11-prong cathode-ray tubes. Low-loss steatite. Steel retaining ring for quick assembly. 1 5/8″ mounting hole. 7 oz.

40 H 090 .... 86¢

Allied stocks the complete line of Amphenol sockets. Even if the socket you require is not listed, Allied can fill your order quickly. Write, wire, or phone for further information.

Sockets and Socket Adapters

CINCH-JONES SOCKETS AND HEAT SINKS

A Octal Sockets With 1 5/16″ Mounting Centers. Molded from high dielectric black bakelite. Brass contacts and steel pressed-on saddle with 4 ground lugs. Mount in 1″ chassis hole. 8AB is general-purpose type; 8AM is for VHF applications. 2 oz.

Stock No.	Type	Description	EA.
43 H 359	8AB	Black Bakelite	9¢
43 H 360	8AM	Mica-filled	12¢

B Octal Sockets With 1½″ Mounting Centers. Similar to above, have clinch-on saddle with 4 ground lugs; mount in 1⅛″ hole. Ceramic unit for UHF use. Av. shpg. wt., 2 oz.

Stock No.	Type	Description	EA.
43 H 361	8EB	Black Bakelite	10¢
43 H 362	8EM	Mica-filled	12¢
43 H 363	8EC	Ceramic	45¢

Miniature Sockets—Bottom Mounting. Molded bakelite. Solder-coated brass contacts; cadmium plated steel saddle. 7EB and 7EM mount in ⅝″ hole; ⅞″ mtg. centers. 9EB and 9EM mount in ⅞″ hole; 1⅛″ centers. 2 oz.

Stock No.	Type	Fig.	Description	EA.
41 H 126	7EB	C	7-pin, bakelite	9¢
41 H 127	7EM	C	7-pin, mica-filled	11¢
41 H 128	9EB	D	9-pin, bakelite	12¢
41 H 129	9EM	D	9-pin, mica-filled	14¢

WAFER-TYPE TUBE SOCKETS

Laminated-bakelite tube sockets widely used in radio and TV sets, mobile units, etc.; Have solder-coated brass contacts for easy soldering. *With center shield. Av. shpg. wt., 2 oz.

Stock No.	Type	Centers	Pins	EACH
40 H 403	7W2A*	⅞″	7 (min.)	7¢
40 H 404	7WL2*	1″	7 (min.)	7¢
40 H 405	7WL4*	1 5/16″	7 (min.)	8¢
40 H 406	8W1	1 5/16″	8	8¢
40 H 407	8W2	1½″	8	8¢
40 H 408	9W1*	1⅛″	9 (min.)	8¢
40 H 409	9W2*	1 5/16″	9 (min.)	9¢

OCTAL AND MINIATURE TUBE SOCKETS

Miniature Sockets—Top Mounting. Molded bakelite. Brass contacts. Types 7AB1 and 7AM1 mount in ⅝″ hole; have ⅞″ mtg. centers. Types 9AB and 9AM mount in ¾″ hole; have 1⅛″ mtg. centers. Av. shpg. wt. 2 oz.

Stock No.	Type	Fig.	Description	EA.
41 H 117	7AB1	C	7-pin, bakelite	9¢
41 H 118	7AM1	C	7-pin, mica-filled	11¢
41 H 119	9AB	D	9-pin, bakelite	12¢
41 H 120	9AM	D	9-pin, mica-filled	14¢

E Ring-Mounting Octal Sockets. Molded tube sockets with solder-coated brass contacts. All mount in 1 11/64″ keyed hole. Retainer ring supplied. *Indicates chassis thickness. Av. shpg. wt., 2 oz.

Stock No.	Type	Size*	Description	EA.
43 H 364	8R1	1/16″	Black bakelite	18¢
43 H 366	8R3	1/16″	Mica-filled	22¢
43 H 367	8R5	3/32″	Mica-filled	22¢
40 H 700	8R2	⅛″	Black bakelite	18¢

40 H 800. Type 8RO Retainer Ring. Extra rings for above sockets. Wt., 1 oz. .... 4¢

43 H 368. Type 8AP Adapter Plate. Rugged adapter plate for use with ring sockets when screw or rivet mounting is required. Has slotted 1½″ to 1⅞″ mounting centers; 1 11/64″ keyed hole. Shpg. wt., 1 oz. .... 4¢

NOVAR SOCKETS

Type 9NS. Sockets for 9-pin novar tubes. Available in top or bottom mounting types. Meet or surpass EIA standards. Molded from high dielectric black bakelite or mica-filled, low-loss bakelite. Have cadmium-plated brass contacts. Same dimensions as octal sockets. With 1½″ mounting centers. Av. shpg. wt., 3 oz.

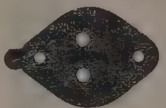
Stock No.	Type	Bakelite	Mount	EACH
41 H 390	9NS B	black	bottom	9¢
41 H 392	9NS-M	mica-filled	bottom	11¢
41 H 391	9NS-B1	black	top	9¢
41 H 393	9NS-M1	mica-filled	top	11¢

SUB-MINIATURE TUBE AND TRANSISTOR SOCKETS

Subminiature Types. For use in hearing aids, miniature radios and walkie-talkies. Made of mica-filled bakelite; silver-plated contacts. Type 2H5 is for 4-prong miniature tubes and G.E. G11 and G11A transistors. *Mounting ring for Type 8SM. Av. wt., 2 oz.

Stock No.	Type No.	No. of Pins	Fig.	EACH
40 H 294	2H3	3	F	20¢
40 H 245	2H5	5	G	22¢
40 H 247	2H7	7	G	31¢
40 H 242	8SM	8	H	42¢
40 H 246	8SMP	8	J	54¢
40 H 216	2MR	*	.....	2¢

POWER TRANSISTOR HEAT SINKS



Anodized aluminum wafers to meet exacting applications. High thermal conductivity reduces operating temperature of transistor. High corrosion resistance Types 2W-2 and 2W-3 not illustrated. Shpg. wt., 2 oz.

Stock No.	Type	For	EACH
40 H 338	2W-1	Mot. 2N179, 2N176, 2N554	32¢
40 H 339	2W 2	Delco 2N174	32¢

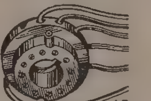
POWER TRANSISTOR SOCKET

Type 2-TS1. Rugged socket designed especially for power transistors. Made of wax-impregnated XP bakelite. Has formed thread for 6-20 screw. With .104/.110″ dia. hole in CR plate. Shpg. wt., 2 oz.

40 H 713 .... 9¢

EBY SOCKETS AND ADAPTERS

TUBE SOCKETS



Above-Chassis Type. One-piece molded bakelite construction, for top-of-chassis or panel mounting. Mtg. ctrs. 1 11/16″. Shpg. wt., 2 oz.

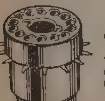
Stock No.	Type	Prongs	EACH
40 H 254	12-4	4	38¢
40 H 258	12-8	Octal	51¢

TV Tube Socket Type 49-13DD. All-molded bakelite, duo-decal TV tube socket for magnetic or electrostatic focusing tubes. Complete with 18″ leads. Shpg. wt., 4 oz.

40 H 291 .... 47¢

CRT TEST SOCKET ADAPTERS

FOR COLOR TV



Type CA-1. Test point adapter for all color TV picture tubes. Lets any serviceman test color CRT under actual conditions without removing tube or chassis from cabinet. Shpg. wt., 8 oz.

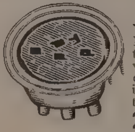
41 H 384 .... 5.88

FOR BLACK-&-WHITE TV

Type 1000. Socket adapter for testing black-and-white TV picture tubes. Plugs in—easy to install or remove. External lugs permit check of all CRT pin voltages while set is operating. Wt., 3 oz.

40 H 273 .... 94¢

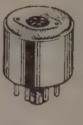
NUVISTOR SOCKETS



Type NU. For use with RCA Nuvistor electron tubes. NU-5 is a 5-pin type with mica-filled bakelite dielectric. NU-7 (not illus.) is a 7-pin saddle-mounting type of bakelite. 2 oz.

40 H 260. NU-5 ..... 20¢
40 H 289. NU-7 ..... 90¢

NUVISTOR ADAPTER



Type 9320. This adapter permits testing of the RCA 7-pin Nuvistor tubes using existing test equipment. Simply plug adapter into standard octal socket. Includes easy-to-follow instruction sheet. Shpg. wt., 8 oz.

41 H 359 .... 2.06

NOVAR ADAPTER

Type 9330. Keep your servicing equipment up-to-date by adding this new adapter. Permits testing of the 9-pin Novar tubes on existing test equipment. Each adapter supplied with complete instructions. Shpg. wt., 5 oz.

41 H 399 .... 2.06

ELCO UHF PRINTED CIRCUIT STANDOFF SOCKETS

Printed circuit standoff sockets for 7 and 9-pin miniature tubes with UHF applications. Have low-loss, mica-filled insulators. Contacts are constructed of silver-plated, tinned-dipped phosphor bronze for easy soldering. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Pins	EACH
45 H 529	04-730-01	7	14¢
45 H 528	04-930-01	9	18¢

ELCO JAN CRYSTAL SOCKETS

Quality crystal sockets made to JAN standards. Type 04-210-01 is MIL TS0205C01. For crystals with .486″ pin spacing. 2 oz.

Stock No.	Mfr's Type	EACH
45 H 532	04-210-01	11¢
45 H 533	04-210-04	12¢

VECTOR SOCKET TURRETS

Terminal structures for use in single or multi-stage sub-assemblies. Components mount on phenolic form. Turrets are ½″ diam. 7-pin miniature units mount in ⅝″ hole; 9-pin noval types in ¾″ hole. 3 oz.

2″ Turrets. 9 terminals in two rings, 1″ apart.

Stock No.	Type	Socket	EACH
40 H 217	8-M-9T	7-Pin Min.	69¢
40 H 233	8-N-9T	9-Pin Noval	69¢

1½″ Turrets. Have 6 terminals in one ring.

Stock No.	Type	Socket	EACH
40 H 218	6-M-6T	7-Pin Min.	63¢
40 H 234	6-N-6T	9-Pin Noval	63¢

Shield Bases. For miniature sockets above Fasten above chassis on socket mtg. centers Use with standard bayonet type shield. 2 oz.

Stock No.	Type	Description	EACH
40 H 235	S7	For 7-pin sockets	5¢
40 H 236	S9	For 9-pin sockets	5¢

RAY-PAR ANTI-CORONA SOCKET

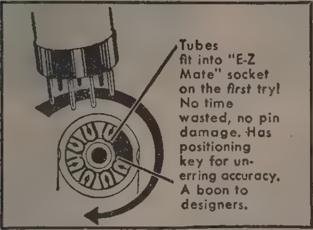
Octal socket for 1B3 high-voltage rectifier tube. Corona ring minimizes breakdown. Laminated bakelite. Mounts on insulator or high-voltage capacitor with screw type terminal Shpg. wt., 3 oz.

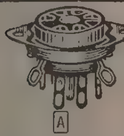
40 H 446 .... 44¢

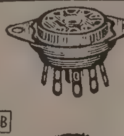
Sockets, Couplings, Dial Accessories

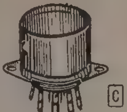
ELCO TUBE AND TRANSISTOR SOCKETS

7 AND 9-PIN COMMERCIAL SOCKETS


Tubes fit into "E-Z Mate" socket on the first try! No time wasted, no pin damage. Has positioning key for unerring accuracy. A boon to designers.



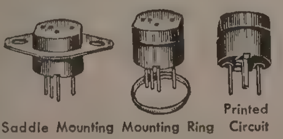


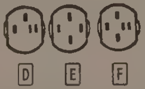


All are supplied with E-Z Mate positioning key for pin protection and easy insertion in blind areas. Pins are brass, except *phosphor bronze, †beryllium copper. Center shield on Types 04-905-01, 04-703-05, 04-703-06, and 04-705-01. 2 oz.

Stock No.	Mfr's Type	Fig.	Description and Mounting	EA.
45 H 500	04-901-02	B	9-pin* RMA saddle, top	11¢
45 H 501	04-901-03	B	9-pin* RMA saddle, top	10¢
45 H 502	04-905-01	C	9-pin shielded, top	13¢
45 H 503	04-905-02	C	9-pin shielded, top	12¢
45 H 510	04-702-02	B	7-pin RMA saddle, bot.	7¢
45 H 511	04-702-01	B	7-pin RMA saddle, bot.	8¢
45 H 512	04-703-01	A	7-pin RMA saddle, bot.	8¢
45 H 513	04-703-02	A	7-pin RMA saddle, bot.	8¢
45 H 515	04-703-04	A	7-pin RMA saddle, bot.	7¢
45 H 516	04-703-05	A	7-pin* RMA saddle, bot.	8¢
45 H 517	04-703-06	A	7-pin† RMA saddle, bot.	12¢
45 H 518	04-705-01	C	7-pin* shielded top	13¢
45 H 519	04-705-02	C	7-pin* shielded top	12¢

TRANSISTOR SOCKETS





Subminiature mica sockets eliminate loss and damage from direct soldering of transistor pins. For 3-pin transistors with in-line pins or 3 and 4-pin transistors with pins on .200″ diameter circle of any configuration. Conform to MIL-P-14. *Ring only. Wt., 2 oz.

Stock No.	Type	Fig.	Mtg.	EACH
41 H 092	05-3301	D	Saddle	18¢
41 H 238	05-3303	D	PC	14¢
41 H 094	05-3305	D	PC	14¢
41 H 244	05-3308	E	PC	17¢
41 H 093	05-3304	D	MR	14¢
41 H 243	05-3307	E	MR	17¢
41 H 249	05-3313	F	MR	20¢
41 H 095	55-47202*	*	MR	2¢

PRINTED CIRCUIT SOCKETS

Excellent selection of sub-miniature, mica filled phenolic sockets for use on printed circuit boards. For transistors and sub-miniature type tubes. All contacts gold flashed. Av. shpg. wt., 2 oz.

No.	Type	Prongs	EACH
41 H 062	05-0786	3	12¢
41 H 063	05-0805	4	12¢

ELCO RETAINER MOUNT SOCKETS

In-line sockets of mica filled phenolic. For transistors and subminiature tubes. Contacts are gold flashed. Require retainers listed. Av. shpg. wt., 3 oz.

Stock No.	Type	Prongs	EACH
41 H 074	05-0799	3	10¢
41 H 080	05-0803	4	11¢

Retainer Ring For Above Sockets. Designed for Type 05-0799 and 05-0803 transistor and miniature tube sockets above. 2 oz.
41 H 097........................**Each** 2¢

WALSCO

DIAL CORD SPOOLS

Cords with nylon sleeves over fiberglas or linen cores. Pre-stretched to prevent stretching and slipping; maintain proper tension. Av. wt., 4 oz.

Stock No.	Mfr's Type	Dia.	Strgth. (Lbs.)	Lgth. (Ft.)	EACH
43H 194	652-Med.	.040″	35	25	73¢
43H 198	656-Thin	.025″	15	25	
43H 199	654-Std.	.032″	20	25	
43H 197	652-Med.	.040″	35	100	2.32
43H 195	656-Thin	.025″	15	100	
43H 196	654-Std.	.032″	20	100	

SHAFT FITTINGS

Coupling

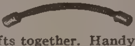
Extender

Couplings for extending shafts of volume controls, switches, capacitors, etc., or for ganging single units, even when shafts are not of the same diameter. Extenders are employed in applications for decreasing or increasing shaft diameter and for extending shaft length. shaft length. 41 H 109 has ⅜″ opening, ¼″ shaft. Shaft length on all extenders, ⅝″; overall length, 1⅛″. Av. shpg. wt., 4 oz.

Brass	Insulated	Type	Size
41 H 105	41 H 111	Coupling	¼ to ¼″
41 H 108	41 H 113	Extender	¼ to ¼″
41 H 109	....	Extender	⅜ to ¼″

Any of Above........................**Each** 18¢

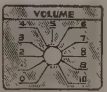
E. F. JOHNSON FLEXIBLE SHAFTS



Non-rusting phosphor-bronze flexible shafts with ¼″ hubs. Ideal for connecting out-of-line shafts together. Handy accessory for Amateurs, labs, etc. Permit up to 90 degrees angular control. 2 oz.
46 H 411. 115-253. Length, 3″....**Each** 57¢
46 H 412. 115-254. Length, 6″....**Each** 83¢

WALDOM

SQUARE DIAL PLATES

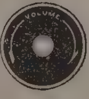


Attractive anodized aluminum dial plates with black scales. Use with 1¼″ bar knob. Gives custom-built look to hi-fi and P.A. amps, preamps, recorders, etc. Size, 2³⁄₁₆x2⅝″, with ½″ center hole. Shpg. wt., 2 oz.

Stock No.	Type	Description
43 H 121	426	Volume, 0-10
43 H 130	410	No title, 0-10

Each..52¢

ROUND DIAL PLATES



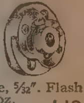
Etched aluminum scale with black background. 1¾″ dia. Type 25 has clockwise arrow labeled "Volume" One-hole mtg. For amplifiers, modulators, phonos, etc. Use with 1¼″ bar knobs. ¹³⁄₃₂″ center-hole. 2 oz.

Stock No.	Type	Description	EACH
43 H 131	25	Volume	28¢
43 H 135	569	0-100, 180°	
43 H 136	905	0-100, 270°	

"OFF-ON" SWITCH PLATE

Economy-priced "Off-On" type. Etched aluminum with black background. Has polished aluminum letters. 1¹⁄₁₆x1¹¹⁄₁₆″. 2 oz.
43 H 139............................**Each** 15¢

HAMMARLUND COUPLINGS



Type FC-46S. Sturdy, slip-proof insulated coupling. Excellent for providing flexible linkage between angularly misaligned shafts. Maximum torque is limited only by holding power of the 4 set screws (2 on each side). For ¼″-dia. shafts. Shaft clearance, ⁵⁄₃₂″. Flash voltage, 5000 v. Size, 1¼x¹³⁄₁₆″. 3 oz.
42 H 403............................**Each** 1.10

Type FNC-46S. As above, but non-insulated type. Durable, heavy-duty construction. Maintains firm, slip-proof grip. Has flexible arms which compensate for shaft misalignment. Nickel-plated brass ring. 1¼″ diameter x ²³⁄₃₂″. Shpg. wt., 3 oz.
42 H 404............................**Each** 93¢

INSULATED COUPLING

For coupling drive shafts to capacitors, gang switches, controls and other components. Bakelite insulation. Hubs drilled to fit ¼″ shafts; set-screws hold rigidly. Shpg. wt., 2 oz.
42 H 405............................**Each** 53¢

MILLEN COMPONENTS

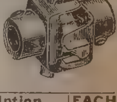
FLEXIBLE COUPLINGS

MALDEN U.S.A.
MILLEN

Popular 39000 series flexible couplings. Designed to provide higher flexibility, no backlash, hign breakdown voltages, small diameter and accurate alignment. In addition to improved versions of conventional types, there are original design units. 39001 is insulated; 39006 "slide-action" type for out-of-line or eccentric shaft motion. 39005 (high torque) like 39001 but not insulated. 39016 (illus.) molded as single unit to resist mechanical shock. All for ¼″ shafts. 2 oz.

Stock No.	Type	Description	EACH
43 H 208	39001	Universal joint	60¢
43 H 212	39005	Universal joint	
43 H 213	39006	Slide action	
43 H 214	39016	Barrier	

MINIATURIZED COUPLINGS



For limited space use. Type M006 (illus.) is universal joint style made of nickel-plated brass with steatite ceramic insulation and spring fingers. Type 39003 is solid brass for ¼″ shafts; M006 and M008 for ⅛″ shafts. Av. shpg. wt., 2 oz.

Stock No.	Type	Description	EACH
43 H 205	M006	Univ. joint coupling	84¢
43 H 206	M008	Insul., brass insert	54¢
43 H 207	39003	Solid brass coupling	24¢

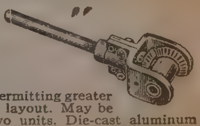
DRIVE MECHANISM

Type 10000 Worm Drive. A ruggedly constructed drive mechanism offering a 16-to-1 step-down ratio. Cast-aluminum frame drilled for secure mounting on panel or chassis base. Spring-loaded split gears for smooth operation, min. backlash. ¼″ left/right-hand shafts. 3x2x2⅜″. 6 oz.
43 H 216............................**Each** 12.00

SMITH PANEL BEARING ASSEMBLY

For use with couplings at left on panels up to ⁷⁄₁₆″ thick mounted away from controls. Brass bearing has stub for knob with ¼″ shaft on other side. Av. shpg. wt., 3 oz.
44 H 094. Overall length, 3″.....**Each** 33¢
44 H 095. Overall length, 6″.......**Each** 39¢
44 H 096. Bearing only...........**Each** 15¢

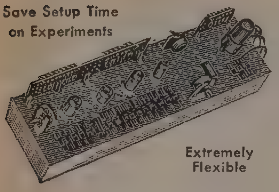
NATIONAL FRONT-PANEL RIGHT-ANGLE DRIVE



Type RAD. Front panel control for variable capacitors, potentiometers, etc., at right angles to panel. Saves space by permitting greater freedom in parts layout. May be used to drive two units. Die-cast aluminum housing and gears. 2½x¼″ shaft. 6 oz.
42 H 173............................**Each** 4.31

VECTOR Adapters, Terminal Boards, Accessories

EXPERIMENTERS CHASSIS KITS


Save Setup Time on Experiments

Extremely Flexible

Designed primarily for rapid setup of experimental circuits. Chassis kits utilize push-in terminals, perforated XXXP phenolic decks, and supports.

Type 20X Sampler Kit. Has 1 deck, 3 each 7 and 9-pin tube sockets, 2 octal sockets, 2 pot and switch brackets, bus wire, 75 push-in and 30 solderless terminals, hardware.

Type 21X. Has 1 large and 2 small decks, 5 each 7 and 9-pin tube sockets, 4 pot and switch brackets, 114 push-in and 45 solderless terminals, hardware.

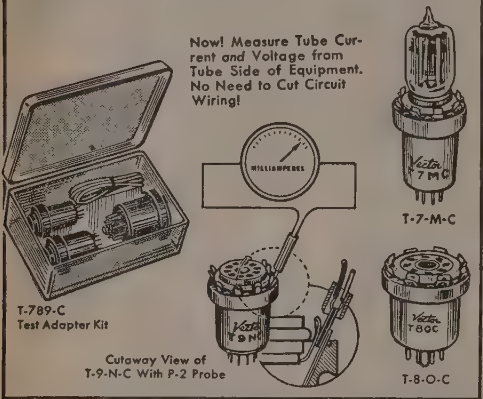
Type 22X Transistor Circuitry Kit. Has 1 large and 2 small decks, 9 transistor sockets, 4 switch brackets, terminals, hardware.

Type 25X. Has 1 large and 2 small decks, 115 solderless terminals, inserting tool, 4 brackets, hardware.

Stock No.	Mfr's Type	Size of Main Deck	Wt. Lbs.	EACH
40 H 906	20X	4¾x8½"	1	6.25
40 HX 907	21X	4¾x17"	2¼	15.25
40 H 908	22X	4¾x8½"	1¼	10.50
40 HX 909	25X	8½x17"	3	19.50

TEST ADAPTERS AND KITS

CURRENT/VOLTAGE TUBE SOCKET TEST ADAPTERS



Now! Measure Tube Current and Voltage from Tube Side of Equipment. No Need to Cut Circuit Wiring!

T-7-M-C

T-789-C Test Adapter Kit

Cutaway View of T-9-N-C With P-2 Probe

T-8-O-C

Type T-7-M-C. Fits shield base for 7-pin miniature socket. Adapter completes circuit and provides test-tab elements. You make voltage, current and waveform measurements from top-side of chassis. Tabs consist of a pair of spring contacts which are separated electrically when optional Dual Sided P-2 Probe (see table below) is inserted. Probe "breaks" circuit, and provides current or voltage reading to your meter. Electrostatic cap., 1 mmf. Flash-over voltage, over 1500 VDC. Phenolic shell, socket, and plug. Length, less prongs: 1.47".

Type T-8-O-C. Fits standard 8-pin octal tube clamps. Same specifications as T-7-M-C above except length, less prongs is 1.5".

Type T-9-N-C. Fits into shield base for 9-pin miniature types. Same pecifications as T-7-M-C above.

Stock No.	Type	Socket	Body Dia.	Skirt Dia.	Oz.	EACH
46 H 035	T-7-M-C	7-Pin Min.	.74"	1.03"	¾	2.20
46 H 037	T-8-O-C	8-Pin Oct.	1.26"	1.56"	1½	2.45
46 H 038	T-9-N-C	9-Pin Min.	.87"	1.16"	¾	2.45
46 H 040	P-2	Dual Sided Plug-in Probe			½	.75

Type T-789-C 3-Socket Kit. Includes all 3 socket adapters, P-2 Probe, plastic case. Shpg. wt., 6 oz.
46 H 039..8.40

VOLTAGE-TYPE TUBE SOCKET TEST ADAPTERS

Type T-7-M. Similar to T-7-M-C above, but without current-measuring feature. Fits 7-pin miniature tube socket. Tabs on adapter designed to grip optional P-1 Probe, listed in table below. Flash-over voltage, in excess of 1500 VDC. Length, less prongs, 1.5".

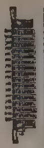
Type T-8-O. Fits standard 8-pin octal tube clamps. Same specifications as T-7-M listed above.

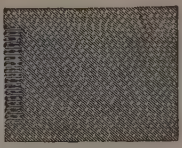
Type T-9-N. Fits into shield base for 9-pin miniature types. Same specifications as T-7-M above.

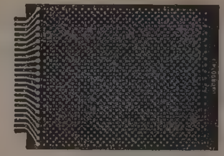
40 H 040	T-7-M	7-Pin Min.	.75"	1.03"	¾	1.65
40 H 041	T-8-O	8-Pin Oct.	1.25"	1.56"	1½	1.60
40 H 042	T-9-N	9-Pin Min.	.87"	1.16"	¾	1.85
40 H 044	P-1	Plug-in Probe			½	.39

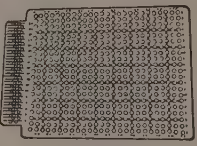
Type T-789 3-Socket Kit. Includes all 3 adapters and P-1 Probe, in handy plastic case. Wt., 6 oz.
40 H 210..5.90

"PLUGBORDS" AND RECEPTACLES


R616-1


812


838-A


2536-WE

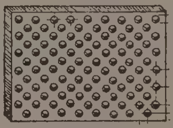
"Plugbords." Manufactured of sturdy 1/16" thick epoxy paper, EXXXP per MIL-P-22324 except * are 1/16" epoxy glass, Grade G-10 per MIL-P-18177. All plugboards except Type 2536WE have grid of .062" holes on alternate 0.1" centers. Type 2536WE has .093" holes on 0.2" grid and number matrix for easy hole identification. Type 838PWE has an etched copper pad network. All contacts are on .156" centers and .072" wide except § .090" wide. Av. shpg. wt., 2 oz.

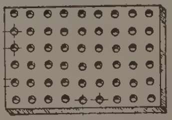
Stock No.	Mfr's Type	Size	No. Contacts	EACH
40 H 928	812	4½x6½"	16	2.73
45 H 606	812WE*	4½x6½"	16	3.23
40 H 927	837	3x4½"	12	2.13
45 H 607	837WE	3x4½"	12	2.36
45 H 609	838A §	4½x6½"	22	2.57
45 H 611	838PWE*§	4½x6½"	22	3.56
45 H 608	848WE*	4½x6½"	35	5.58
46 H 022	838§	4½x6½"	43	3.34
46 H 023	2536WE*	4½x6½"	35	6.38

Receptacles. With solder and taper tab leads. Av. wt., 3 oz.

Stock No.	Mfr's Type	No. of Contacts	For	EACH
46 H 024	R612-1	12	837, 837WE	1.64
46 H 026	R616-1	16	812, 812WE	2.04
45 H 612	R644	44	838PWE, 838/A	2.62
45 H 635	R635	35	848WE, 2536WE	4.46

"VECTORBORD" PREPUNCHED TERMINAL BOARDS

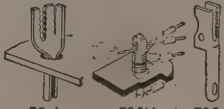

Pattern G


Pattern A, AA, B, F

Designed for Breadboard or production applications. No suffix letters indicate boards are phenolic, XXXP per MIL-P-3115B; Suffix EP indicates epoxy paper, EXXXP per MIL-P-22324; suffix WE indicates epoxy glass, G-10 per MIL-P-18177. Patterns A, B, F, G are 1/16" thick; AA is 3/32" thick. Patterns A and AA have .093" holes on .265" grid; B has .062" holes on .180" grid; G has .062" holes on staggered 0.1" grid; F has .062" holes on .2" grid. All 17" long except *8½". Push-in T9.4 and T30N terminals, below left, fit Pattern A and AA. T-28 terminals fit B, F and G. Shpg. wt., 7 oz.

Stock No.	Mfr's Type	Width	Pattern	No. Holes	EACH
40 H 916	85G24EP	4 13/16"	G	(85x23)x2	2.06
40 H 917	32AA18	4 13/16"	AA	32x18	.84
40 H 918	64A18	4 13/16"	A	64x18	1.25
40 H 919	64AA18	4 13/16"	AA	64x18	1.60
40 H 926	32AA9*	2 7/16"	AA	32x9	.60
45 H 601	64A18WE	4 13/16"	A	64x18	3.72
45 H 604	85G24WE	4 13/16"	G	(85x23)x2	3.81
45 H 605	85F24EP	4 13/16"	F	85x23	2.06
46 H 008	64AA18EP	4 13/16"	AA	64x18	2.73
46 H 009	42G24WE*	4 13/16"	G	(42x24)x2	1.94
46 H 005	45B30*	5⅝"	B	45x30	.84
46 H 006	90B30	5⅝"	B	90x30	1.62
46 H 007	64AA32	8½"	AA	64x82	2.45

PUSH-IN TERMINALS


T9.4 T30N T28

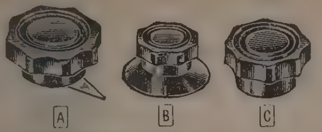
Hold multiple leads, need no staking Type T9.4 have slots for small and large leads. Type T30N spring clips hold up to six .05"-dia. wires without soldering. T28 terminals are designed for subminiature components. Shpg. wt., per pkg. of 100, 3 oz.

Mfr's Type	Fits Holes	Description	Stock No.	PER PKG. OF 100	Stock No.	PER PKG. OF 1000
T9.4	.093"	Tinned brass	40 H 878	1.25	41 H 437	8.90
T28	.062"	Tinned copper	40 H 879	1.55	41 H 438	11.00
T30N	.093"	Nickled brass	40 H 889	8.45	41 H 439	58.90

Insertion Tools. Simplify insertion of push-in terminals. 2 oz.
40 H 601. Type P-91. For T28 terminals........................50¢
40 H 603. Type P-92A. For T30N terminals........................50¢
40 H 607. Type P-122. For T9.4 terminals........................50¢

Knobs and Dials

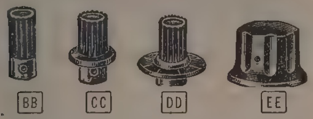
HARRY DAVIES FLUTED KNOBS



An excellent selection of high-quality fluted knobs. Functionally designed—add custom appearance to Amateur, experimental, and test equipment. Durable, high-gloss bakelite. Have metal inserts with setscrew to fit flatted or round ¼″ shafts. Shpg. wt., 4 oz.

Stock No.	Fig.	Dia.	EACH
44 H 117	A	1⅛″	36¢
44 H 119	A	1⅝″	39¢
44 H 120	A	2⅜″	52¢
44 H 121	C	1⅛″	23¢
44 H 123	C	1⅝″	27¢
44 H 124	C	2⅜″	40¢
44 H 125	B	1½″	44¢
44 H 126	B	2¹⁄₁₆″	54¢

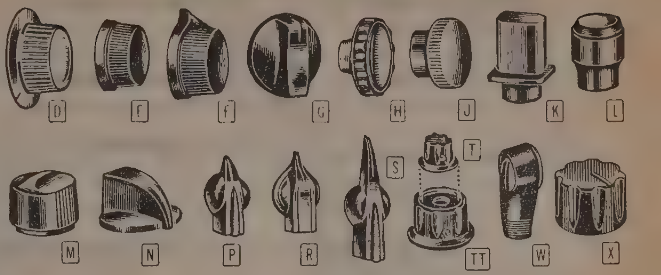
MILLEN MINIATURE KNOBS

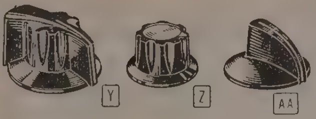


Black plastic knobs with brass inserts for ⅛″ diameter shafts. Developed primarily for use in miniaturized equipment. In certain devices where complete miniaturization is not paramount, a combination of standard and miniature knobs may possibly be used to advantage Type A018, A007 and A019 have screwdriver slot in top. Overall height: A006, ½″; A007, A018 and A019, ⅝″. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Size	EA.
43 H 253	A019	BB	¼″ dial dia.	36¢
43 H 254	A018	CC	⅜″ dial dia.	39¢
43 H 255	A007	DD	⅝″ dial dia.	42¢
43 H 256	A006	EE	¾″ dial dia.	58¢

HARRY DAVIES MOLDED KNOBS

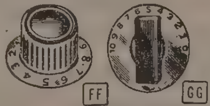




Handsomely styled plastic knobs for replacement or original equipment use. Figs. E and F are for small radios. *For knurled shafts; †screws onto 8-32 threaded shaft; #screws on 6-32 threaded shaft; ‡self-locating friction fit for flat wire shafts; all others equipped with setscrews to permit use with either round or flatted ¼″ shafts. §Have aluminum insert. **For dual concentric shafts. Av. shpg. wt., 3 oz.

Stock No.	Fig.	Size	Color	EACH	Stock No.	Fig.	Size	Color	EACH
44 H 127	D	1½″	Black	14¢	44 H 175	P	1¼″	Black	13¢
44 H 128	D	1½″	Red	15¢	44 H 172	R	1¼″	Black	10¢
44 H 129	D	²⁹⁄₃₂″	Black	13¢	44 H 173	R	1¼″	Red	11¢
44 H 136	*E	¹¹⁄₁₆″	Black	5¢	44 H 174	R	1¼″	Black	14¢
44 H 134	E	¹¹⁄₁₆″	Black	9¢	44 H 176	S	2″	Black	17¢
44 H 135	E	¹¹⁄₁₆″	Walnut	9¢	44 H 177	S	2″	Red	18¢
44 H 137	E	1″	Black	13¢	44 H 178	S	2″	Black	22¢
44 H 138	F	¹¹⁄₁₆″	Black	9¢	44 H 182	T	¾″	Black	14¢
44 H 140	F	1″	Black	14¢	44 H 179	T	1¼″	Black	16¢
44 H 141	G	1⅛″	Black	13¢	44 H 181	**T&TT	¾″-1¼″	R&B	30¢
44 H 142	G	1⅛″	Red	13¢	44 H 154	**X&TT	1½″-¾″	Black	59¢
44 H 144	H	⅞″	Black	13¢	44 H 156	X	¾″	Black	27¢
44 H 145	H	1¾″	Black	18¢	44 H 157	Y	1¼″	Black	20¢
44 H 146	†J	¾″	Black	8¢	44 H 159	Y	1¼″	Red	22¢
44 H 166	‡K	⁵¹⁄₆₄″-½″	Black	7¢	44 H 160	Z§	1¼″	Black	28¢
44 H 167	‡K	⁵¹⁄₆₄″-½″	Red	9¢	44 H 161	Z§	1¼″	Red	30¢
44 H 168	#L	³¹⁄₆₄″-½″	Black	6¢	44 H 162	AA	2″	Black	82¢
44 H 170	M	¾″	Black	11¢	44 H 163	AA	2″	Red	86¢
44 H 171	N	1³⁄₁₆″	Black	11¢	44 H 184	TT	1⅝″	Black	18¢

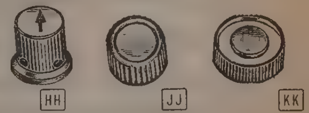
NATIONAL CALIBRATED KNOBS



For any equipment. Types R, HRS-3, and HRS-5 are numbered 0-10 over arcs shown in scale column of table below. HRS-4 has single etched center line. All fit ¼″ shafts. HRS types of molded Tenite with chromed bevel dial; Type R of molded bakelite, flat aluminum dial. Av. shpg. wt., 2 oz.

Stock No.	Type No.	Fig.	Color	Scale	Dia.	EACH
42 H 106	HRS-3	FF	Black	0-10; 300°	1⁷⁄₁₆″	66¢
42 H 107	HRS-3	FF	Gray	0-10; 300°	1⁷⁄₁₆″	
42 H 125	HRS-4	FF	Black	1-line	1⁷⁄₁₆″	
42 H 126	HRS-4	FF	Gray	1-line	1⁷⁄₁₆″	
42 H 128	HRS-5	FF	Black	0-10; 180°	1⁷⁄₁₆″	66¢
42 H 129	HRS-5	FF	Gray	0-10; 180°	1⁷⁄₁₆″	66¢
42 H 136	R	GG	Black	0-10; 180°	1⅝″	69¢

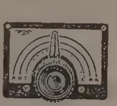
NATIONAL HR SERIES KNOBS



A matched line for industrial and consumer use. Made of molded Tenite in a variety of styles and sizes. All knobs in this series share a family resemblance, giving job a unitized appearance.

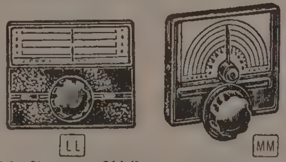
Stock No.	Type	Fig.	Description	Wt.	EA.
42 H 180	HRM	HH	Satin chrome finish. ⅝″ dia.	2 oz.	.96
42 H 176	HR	JJ	Black; white dot. ¹⁵⁄₁₆″ dia.	2 oz.	.39
42 H 177	HR	JJ	Gray; same as above	2 oz.	.39
42 H 178	HRT	KK	Black; chrome insert. 2⅛″ dia.	3 oz.	1.04
42 H 185	HRT-M	KK	Same as above, but 1½″ dia.	2 oz.	.58
42 H 179	HRT	KK	Gray; chrome insert. 2⅛″ dia.	3 oz.	1.04
42 H 186	HRT-M	KK	Same as above, but 1½″ dia.	2 oz.	.58

NATIONAL TYPE MCN VERNIER DIAL



Small vernier dial with 5:1 drive. Perfect for mobile gear and other small units. Mechanism extends ¼″ below frame. Black wrinkle finish. With 3 blank scales, hardware, and hub for ¼″ shafts. Size: 2¾″ high; 3⅞″ wide. Wt., 10 oz.
42 H 171 .... 7.20

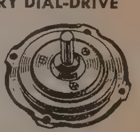
MILLEN MULTI-SCALE DIALS



LL **Type 10035 Multi-Scale Dial.** A deluxe illuminated slide-rule dial. Two built-in pilot lights provide even illumination. Has 12 to 1 drive with 4 blank scales for calibration and one 0-100 logging scale. Cardboard scale supplied can be used on both sides. Clear plastic dial window. Ample panel space for 2 small controls. 8½″x6½″. Black finish. Shpg. wt., 2½ lbs.
43 H 241 .... 7.26

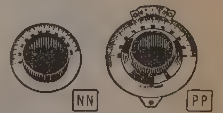
MM **Type 10039 Midget Panel Dial.** Economy model. Excellent for small transmitters, receivers and measurement equipment. Drive ratio is 8 to 1. Totally self-contained mechanism eliminates back-of-panel interference; has 5 blank scales for calibration and one 0-100 logging scale. Black finish. Size, 4x3¼″. Shpg. wt., 13 oz.
43 H 242 .... 3.24

NATIONAL TYPE AVD-250 PLANETARY DIAL-DRIVE



Smooth-operating planetary vernier tuning mechanism. Provides 5:1 tuning ratio. Output torque is 1-3 inch-pounds. Designed for front-of-panel mounting, has four ⁵⁄₃₂″ holes on 2⁵⁄₁₆″ mounting centers. For use with ¼″ control shafts. Has uninsulated output hub. Overall length, 1¹¹⁄₁₆″. Overall diameter, 2⁹⁄₁₆″. Drive shaft diameter, ¼″. Shpg. wt., 8 oz.
42 H 025 .... 2.63

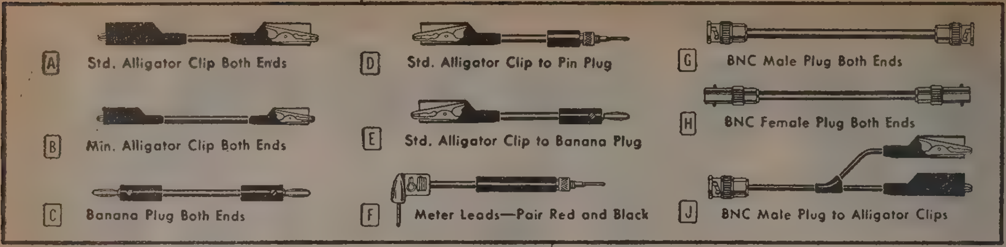
NATIONAL CALIBRATED DIALS



Offer smooth performance, dependability, and attractive appearance. For all types of equipment. Knobs are black bakelite with dials of nickel-plated brass. 5:1 tuning ratio; have collars to fit ¼″ shafts. "N" Series has vernier scale readout; "AM" Series, dial pointer. *Measured from knob crest to mtg. plate back.

Stock No.	Mfr's Type	Fig.	*Depth	Skirt Style	Scale	Dia.	Wt. Oz.	EACH
42 H 113	AM-2	NN	1⁷⁄₁₆″	Beveled	0-100; 180°	3″	10	5.25
42 H 150	AM-5	NN	1⁷⁄₁₆″	Beveled	200-0; 360°	3″	10	5.25
42 H 151	AM-5	NN	1⁷⁄₁₆″	Beveled	0-150; 270°	3″	10	5.25
42 H 000	N-2	PP	1⅜″	Flat	0-100; 180°	4″	12	8.25
42 H 002	N-3	PP	1⅜″	Flat	100-0; 180°	4″	12	8.25

Test Leads, Connector Cables and Coiled Cords


A Std. Alligator Clip Both Ends
B Min. Alligator Clip Both Ends
C Banana Plug Both Ends
D Std. Alligator Clip to Pin Plug
E Std. Alligator Clip to Banana Plug
F Meter Leads—Pair Red and Black
G BNC Male Plug Both Ends
H BNC Female Plug Both Ends
J BNC Male Plug to Alligator Clips

H. H. SMITH SHIELDED AND UNSHIELDED TEST LEADS

Provide firm mechanical and electrical contact. Feature No. 18 AWG 20,000-volt insulated wire that is extra-flexible and kinkless. Handles are of molded tenite, and/or molded bakelite. Cadmium-plated steel clips. Nickel-plated brass tips. Vinyl plastic boots. Shielded cable types use RG-58C/U coaxial cable, except *low-capacity cable. †Pair, one red and one black. Av. shpg. wt., 5 oz.

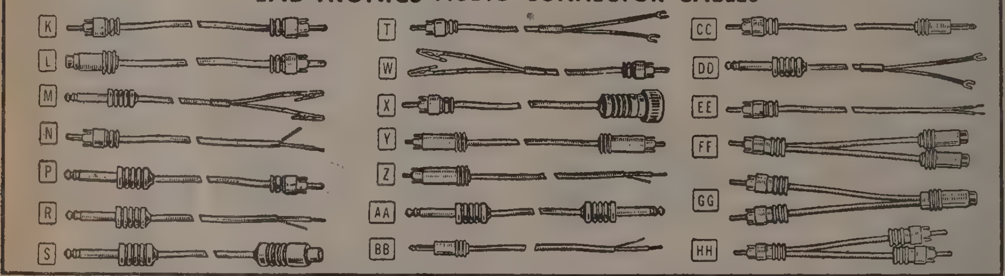
UNSHIELDED TEST LEADS

Stk. No.	Type	Ft.	Color	Fig.	EA.
41 H 851	1596-12-102	1	Red	A	.40
41 H 850	1596-12-103	1	Black	A	.40
41 H 856	1596-36-102	3	Red	A	.48
41 H 855	1596 36-103	3	Black	A	.48
41 H 861	1596-60-102	5	Red	A	.55
41 H 860	1596-60-103	5	Black	A	.55
41 H 863	1597-12-102	1	Red	B	.40
41 H 862	1597-12-103	1	Black	B	.40
41 H 865	1597-36-102	3	Red	B	.48
41 H 864	1597-36-103	3	Black	B	.48
41 H 867	1597-60-102	5	Red	B	.55
41 H 866	1597-60-103	5	Black	B	.55
41 H 901	1863-12-102	1	Red	C	.60
41 H 874	1863-12-103	1	Black	C	.60
41 H 904	1863-36-102	3	Red	C	.70
41 H 903	1863-36-103	3	Black	C	.70
41 H 909	1863-60-102	5	Red	C	.80
41 H 908	1863 60-103	5	Black	C	.80
41 H 923	1865-36-102	3	Red	D	.50
41 H 922	1865-36-103	3	Black	D	.50
41 H 925	1865-60-102	5	Red	D	.60
41 H 924	1865-60-103	5	Black	D	.60
41 H 930	1866-36-102	3	Red	E	.55
41 H 929	1866 36 103	3	Black	E	.55
41 H 935	1866-60-102	5	Red	E	.65
41 H 931	1866-60-103	5	Black	E	.65
41 H 968	0625†	4	.....	F	1.35

COAXIAL-CABLE SHIELDED TEST LEADS

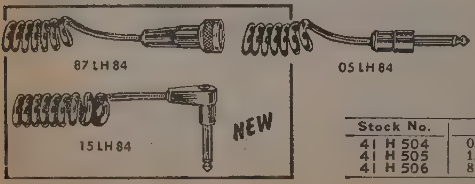
Stk. No.	Type	Ft.	Color	Fig.	EA.
41 H 969	1589-12	1	Black	G	3.50
41 H 973	1589-36	3	Black	G	3.70
41 H 974	1589-60	5	Black	G	4.00
41 H 979	1869-36	3	Black	H	4.00
41 H 980	1869-60	5	Black	H	4.25
41 H 986	1537-12*	1	Gray	J	2.85
41 H 987	1537-36*	3	Gray	J	3.15
41 H 990	1537-60*	5	Gray	J	3.45
....	....	...	.....	....	......

LAB-TRONICS AUDIO CONNECTOR CABLES



Plugs and jacks are molded of silver-gray, unbreakable Lenite to match cable color. Series T2000 connector cables have tiny phone plugs (one-third standard size) for late-model recording equipment, pocket radios, etc. *Unshielded. Av. shpg. wt., 5 oz.

Stock No.	Type	Fig.	Lgth.	Description	EACH
44 H 807	C101	K	18″	Pin plug each end	.53
44 H 808	C102	K	36″	Pin plug each end	.62
44 H 810	C103	K	72″	Pin plug each end	.79
44 H 811	C104	K	10′	Pin plug each end	1.09
44 H 813	C202	L	36″	Pin plug/pin jack	.71
44 H 815	C203	L	72″	Pin plug/pin jack	.88
44 H 816	C204	L	10′	Pin plug/pin jack	1.18
44 H 817	P7210*	M	10′	Phone plug/clips	1.15
44 H 818	P7220*	M	20′	Phone plug/clips	1.44
44 H 819	C106	N	36″	Pin plug/tinned lds.	.47
44 H 820	C107	N	72″	Pin plug/tinned lds.	.65
44 H 821	C108	N	10′	Pin plug/tinned lds.	.94
44 H 823	C4406	P	72″	Phone plug/pin plug	1.09
44 H 825	C4410	P	10′	Phone plug/pin plug	1.32
44 H 826	C4415	P	15′	Phone plug/pin plug	1.62
44 H 827	C4006	R	72″	Phone plug/tinned lds.	.94
44 H 828	C4010	R	10′	Phone plug/tinned lds.	1.18
44 H 829	C4015	R	15′	Phone plug/tinned lds.	1.47
44 H 830	C4606	S	72″	Phone plug/jack	1.68
44 H 831	C4610	S	10′	Phone plug/jack	1.85
44 H 832	C4615	S	15′	Phone plug/jack	2.15
44 H 833	P6110*	T	10′	Pin plug/spade lugs	.62
44 H 835	P6120*	T	20′	Pin plug/spade lugs	.91
44 H 836	P6210*	W	10′	Pin plug/clips	.85
44 H 837	P6220*	W	20′	Pin plug/clips	1.15
44 H 841	E806	X	72″	Mike con /pin plug	1.09
44 H 812	S3415	Y	15′	Pin plug each end	1.44
44 H 822	S3015	Z	15′	Pin plug/tinned lds.	1.25
44 H 845	P7310*	AA	10′	Phone plug each end	1.35
44 H 846	P7320*	AA	20′	Phone plug each end	1.65
44 H 865	T2003	BB	3′	Tiny plug/tinned lds.	.94
44 H 866	T2006	BB	6′	Tiny plug/tinned lds.	1.15
44 H 867	T2010	BB	10′	Tiny plug/tinned lds.	1.35
44 H 862	T2403	CC	3′	Tiny plug/pin plug	1.09
44 H 863	T2406	CC	6′	Tiny plug/pin plug	1.29
44 H 864	T2410	CC	10′	Tiny plug/pin plug	1.47
44 H 851	P7120*	DD	20′	Phone plug/spade lugs	1.21
44 H 852	P6010*	EE	10′	Pin plug/tinned	.56
44 H 853	P6020*	EE	20′	Pin plug/tinned	.85
44 H 868	A455	FF	4″	Pin plug/2 pin jacks	1.12
44 H 869	A544	GG	4″	Pin jack/2 pin plugs	1.12
44 H 870	A444	HH	4″	Pin plug/2 pin plugs	1.12



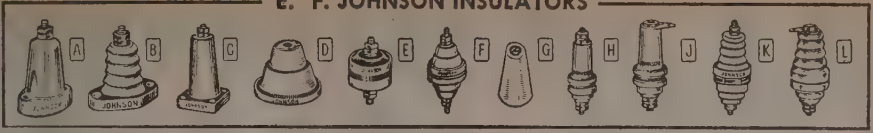
SWITCHCRAFT COILED-CORD ASSEMBLIES

Molded, coiled-cord replacement assemblies for microphones, intercoms, CB equipment, etc. Protect against moisture, and ensure positive contact. Each assembly has shielded, 4-ft. (extended) single-conductor coiled-cord with neoprene jacket. Av. shpg. wt., ½ lb.

Stock No.	Type	Terminations	EACH
41 H 504	05LH84	Straight 2-conductor phone plug/tinned leads.	1.95
41 H 505	15LH84	Right-angle 2-conductor phone plug/tinned leads.	1.95
41 H 506	87LH84	Single-contact mike connector/tinned leads.	2.01

Insulators, Coil Forms, Test Leads, Test Adapter

E. F. JOHNSON INSULATORS



A Wide
Selection
of Quality
Insulators
for Every
Need

Stand-Off Insulators. High-glaze porcelain (except *steatite). Long leakage path, low capacity and freedom from moisture absorption. Nickel-plated brass hardware includes screw, flat washer, two nuts. Type 135-65 is ribbed; others have drawn bases. †Similar to Figure B, but square base and 4 mounting holes. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Mtg. Ctrs.	Hard-ware	EACH
46 H 235	135-20*	A	1 9/16"	¾"	1¾"	1 5/16"	10-32	.33
46 H 237	135-22*	A	1"	15/32"	1 5/32"	13/16"	8-32	.22
46 H 239	135-24*	A	⅝"	⅜"	1"	11/16"	6-32	.18
46 H 240	135-60	†	4½"	1 3/16"	2½"	1⅞"	¼-20	1.20
46 H 241	135-62	†	2¾"	⅞"	1⅞"	1⅜"	¼-20	.66
46 H 242	135 65	B	1⅜"	⅝"	1⅞"	1½"	10-32	.35
46 H 248	135-66	C	2¾"	15/16"	1¾"	1⅜"	¼-20	.87
46 H 251	135-67	C	4½"	1 1/16"	2¼"	1¾"	¼-20	1.25

Thru-Panel Type. Porcelain except †steatite. *108-740 jack. 12 oz.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	Hard-ware	EACH
46 H 200	135-40†	H	1¾"	19/32"	15/16"	7/16"	10-32	.45
46 H 202	135-42†	H	1¼"	½"	¾"	13/32"	10-32	.44
46 H 203	135-42-2	J	1¼"	½"	¾"	13/32"	*	.52
46 H 205	135-44†	H	15/16"	⅜"	⅝"	5/16"	6-32	.33
46 H 206	135-45	K	2 1/16"	⅝"	1¼"	½"	10-32	.61
46 H 210	135 46	H	3¾"	15/16"	1⅝"	11/16"	¼-20	1.60
46 H 211	135-47	H	6"	1 1/16"	2⅛"	31/32"	¼-20	2.75
46 H 215	135-48	K	2⅞"	¾"	1⅝"	11/16"	10-32	1.00
46 H 216	135-48-2	L	2⅞"	¾"	1⅝"	11/16"	*	1.12

Lead in Bushings. Ideal high-voltage terminals. All are constructed of steatite, with nickeled brass rod and nuts, except 135-53 is porcelain, and supplied less hardware. Av. shpg. wt. 8 oz.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	EACH
46 H 217	135-50	F	1"	⅜"	¾"	15/32"	40¢
46 H 219	135 51	F	1⅝"	⅝"	1¼"	27/32"	59¢
46 H 220	135-52	F	2¼"	⅞"	1¾"	1 9/32"	89¢
46 H 221	135-53	D.	1¾"	1 1/16"	2½"	1 27/32"	41¢
46 H 223	135-55	E	½"	½"	¾"	15/32"	33¢

G **Ultra-Steatite Cone Insulators.** Non-ribbed. With nickel-plated, brass hardware. Av. shpg. wt. 5 oz.

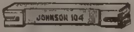
Stock No.	Type	Body Ht.	Min. Dia.	Max. Dia.	EACH
46 H 224	135-500	⅝"	7/16"	⅝"	.23
46 H 231	135-501	1"	½"	¾"	.34
46 H 232	135-502	1½"	½"	1"	.54
46 H 233	135-503	2"	⅝"	1⅛"	.80
46 H 234	135-504	3"	¾"	1½"	1.38

FEEDER SPREADERS

Feeder spreaders for constructing high efficiency, open-wire antenna feeders and transmission lines. Silicone impregnated, moisture-proof porcelain. ⅜x½". Av. shpg. wt., 3 oz.

Stock No.	Type	Length	EACH
46 H 257	136 122	2"	19¢
46 H 258	136-124	4"	30¢
46 H 259	136-126	6"	49¢

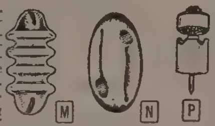
JOHNSON ANTENNA INSULATORS



Strain-type insulators. All are porcelain-glazed to prevent moisture absorption, and prevent RF leakage. Superior quality units with heavily glazed surfaces and heavy, nickel-plated brass hardware suitable for exposed applications. Type 136-107 insulator is wet process 1"-diameter round design with 800 lbs. breaking strength. Type 136-104 is dry process, ⅝" square with 400 lbs. breaking strength.

Stock No.	Mfr's Type	Size	Shpg. Wt.	EACH
46 H 254	136-104	4"x⅝" sq.	4 oz.	.30
46 H 255	136-107	7"x1" dia.	10 oz.	1.38

ANTENNA INSULATORS

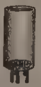


M **46 H 051.** Glazed porcelain insulator. Has ribbed construction to provide long leakage path. 2½" long. Shpg. wt., 2 oz. **4 per pkg.**
PER PKG. 26¢

N **46 H 052.** White porcelain strain insulator, 1¾x⅞" dia. Breaks up guy lines into non-resonant lengths. 2 oz. **4 per pkg.**
Per Pkg. .... 38¢

P **46 H 053.** Standard nail knob for single leads or 1" open lines. 1¾x1⅛" dia. Shpg. wt., 4 oz. **4 per pkg.**
Per Pkg. .... 24¢

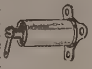
POLYSTYRENE COIL FORMS



A wide selection of coil forms for winding RF coils of all types. Feature low loss, high dielectric polystyrene construction—produce coils of exceptional stability. Excellent for plug-in type regenerative shortwave receiver coils; plate, grid or tank coils in VFO's or low-power transmitters; grid-dip meter coils; VHF equipment, etc. The 4, 5, and 6 prong standard forms fit standard tube sockets; 5 and 6 prong miniature coil forms fit Amphenol Type 78-S5S and 78-S6S miniature sockets (listed under "Retainer Ring Sockets" in the Amphenol pages of this catalog). Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description	Size	EA.
46 H 693	24-5H	5-Prong Min.	1 9/16x1¾"	28¢
46 H 694	24-6H	6-Prong Min.	1 9/16x1¾"	33¢
46 H 695	24-4P	4-Prong Std.	2¼x1¼"	37¢
46 H 696	24-5P	5-Prong Std.	2¼x1¼"	27¢
46 H 697	24-6P	6-Prong Std.	2¼x1¼"	40¢

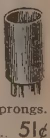
NATIONAL STEATITE
STAND-OFF INSULATORS



Steatite insulators for RF circuits. Cap and base are nickel plated brass. Glazed to prevent the absorption of moisture. Base and terminal assembly are removable to form single-screw pillar mount. Three mounting holes, spaced 120° accept 6-32 machine screws. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Ht.	Dia.	EACH
42 H 102	GS-1	1 7/16"	½"	.69
42 H 103	GS-2	2 15/16"	½"	1.02
42 H 104	GS-3	2 13/16"	¾"	1.26
42 H 105	GS-4	4 13/16"	¾"	1.74

MILLEN MOLDED COIL FORMS

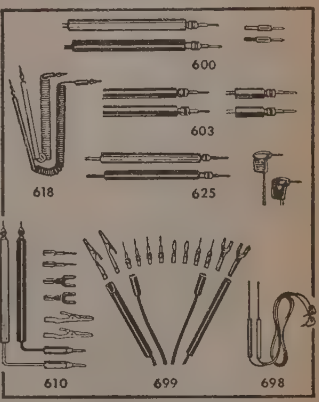


Type 45004. Molded-mica, phenolic base type coil forms. Four-prong type. For shortwave receivers and low-power transmitters. Size: 1" diameter; 1 13/32" winding length; 2 3/16" overall. Shpg. wt., 2 oz.
43 H 217 .... 51¢

Type 45005. Same as 45004, but has 5 prongs. Shpg. wt., 2 oz.
43 H 218 .... 51¢

Type 45000. Same as Type 45005 above, but without prongs. Designed for screw mounting. Shpg. wt., 2 oz.
43 H 219 .... 39¢

H. H. SMITH TEST LEADS AND TEST-LEAD KITS



Unless otherwise indicated, leads have 50" red and black kinkless wire, rubber-covered and extra-flexible; molded butyrate prod handles (one red, one black) 4" long; ⅜" outer diameter. Brass phone tips, nickel-plated.

Type 600 Solderless-Tip. Solderless phone tips, meter end; phone tips on prod.
44 H 359 .... **Per Pair 87¢**

Type 603 All-Solderless. Red and black plugs, meter end. Solderless phone tips both ends.
44 H 375 .... **Per Pair 1.26**

Type 610 Test-Lead Kit. Test leads with solderless phone tips on prods; banana plugs meter end. Tenite handles. Phone tips, alligator clips, spade lugs that snap-on banana plugs.
44 H 395 .... 1.80

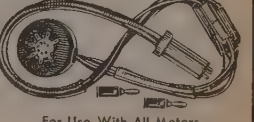
Type 618 Stretch. 9" coil extends to 6'. Tenite handles. Phone tips both ends.
44 H 398 .... **Per Pair 2.91**

Type 625 Meter Leads. Solderless phone tips. Red & black elbows, right-angle phone tips.
44 H 371 .... **Per Pair 1.35**

Type 698 Slim-Jim. 3½" steel, cadmium-lated probes. Vinyl spaghetti insulator. Red and black plastic elbows with phone tips.
44 H 378 .... **Per Pair 1.14**

Type 699 Universal Kit. 54-¾" leads. 4 phone tips, 2 alligator clips, 2 needle tips, 2 banana plugs, 2 spade lugs. Interchangeable.
44 H 376 .... 2.40

POMONA TUBE-SOCKET TESTER

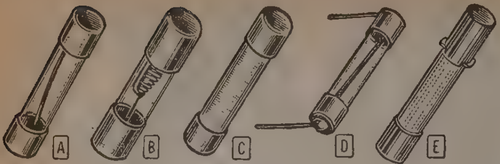


For Use With All Meters

Plugs into tube socket; tube plugs into tester. Extends 24" from chassis. Tests current, voltage, resistance, video without unsoldering connections. Phone tip/banana plug adapters for all meters. Wt., 8 oz.

Stock No.	Mfr's Type	Use With	EACH
42 H 570	1737	7-pin socket	14.95
42 H 571	1738	8-pin socket	
42 H 572	1739	9-pin socket	

Littelfuse Fuses and Fuse Holders



TYPE 1AG FUSES

Series 301000. (Not illustrated—similar to Figure A, but only half as long.) For low-voltage applications such as auto radios, heaters, etc. Quick- to medium-action. Max. v. 32. ⅝x¼″. 2 oz. **5 fuses per pkg.**

Amps	Stock No.	PKG. OF 5		Amps	Stock No.	PKG. OF 5	
		1-19	20-Up			1-19	20-Up
1	53 B 681	26¢	22¢	10	53 B 687	20¢	17¢
2	53 B 682	26¢	22¢	15	53 B 688		
3	53 B 683	23¢	20¢	20	53 B 689		
5	53 B 684	20¢	17¢	25	53 B 690		
6	53 B 685	20¢	17¢	30	53 B 691		
7½	53 B 686	20¢	17¢				

TYPE 3AG STANDARD FUSES

[A] **Series 312000.** Quick-acting fuses for short time-lag uses. High temperatures do not affect characteristics. Max. v., 250; except* 125, †32. 1¼″ long x ¼″ dia. Pkg. wt. 2 oz. **5 fuses per pkg.**

1/32	53 B 601	1.44	1.20	2	53 B 119	26¢	22¢
1/16	53 B 107	.66	.55	2-1/2	53 B 657	26¢	22¢
1/8	53 B 108	.66	.55	3	53 B 120	23¢	20¢
15/100	53 B 654			4	53 B 121	34¢	28¢
.175	53 B 655			5	53 B 122	34¢	28¢
3/16	53 B 110			6	53 B 125	34¢	28¢
2/10	53 B 656			8*	53 B 126	51¢	43¢
1/4	53 B 111	.42	.35	4†	53 B 703	23¢	20¢
3/10	53 B 112	.42	.35	5†	53 B 704	17¢	14¢
3/8	53 B 113	.42	.35	6†	53 B 709	17¢	14¢
1/2	53 B 114	.42	.35	7-1/2†	53 B 710	17¢	14¢
6/10	53 B 115	.42	.35	10†	53 B 705	17¢	14¢
3/4	53 B 116	.42	.35	15†	53 B 706	17¢	14¢
1	53 B 117	.26	.22	25†	53 B 707	20¢	17¢
1-1/2	53 B 118	.26	.22	30†	53 B 708	20¢	17¢

TYPE 3AG SLO-BLO FUSES

[B] **Series 313000.** High time-lag to stand heavy surges. For circuits having high inductive or capacitive surges. Units through 5 amps are U.L. Approved. Max. v., 125; except *32. Size: 1¼″ long and ¼″ diameter. Wt. per pkg. 2 oz. **5 fuses per package.**

1/100	53 B 073	1.23	1.03	1-2/10	53 B 643	84¢	70¢
1/32	53 B 074	1.23	1.03	1-1/4	53 B 090	84¢	70¢
1/16	53 B 075	.90	.75	1-1/2	53 B 091	84¢	70¢
1/10	53 B 076			1-6/10	53 B 092	84¢	70¢
1/8	53 B 077			2	53 B 093	84¢	70¢
15/100	53 B 078			2-1/2	53 B 094	66¢	55¢
.175	53 B 079			2-8/10	53 B 099	66¢	55¢
3/16	53 B 080	.90	.75	3	53 B 095	66¢	55¢
2/10	53 B 081			3-2/10	53 B 096		
1/4	53 B 082			4	53 B 097		
3/10	53 B 083			5	53 B 098		
3/8	53 B 084	.90	.75	6-1/4*	53 B 100	66¢	55¢
4/10	53 B 641			7*	53 B 644		
1/2	53 B 085			8*	53 B 101		
6/10	53 B 086			10*	53 B 102		
7/10	53 B 642	.90	.75	15*	53 B 103	66¢	55¢
3/4	53 B 087			20*	53 B 104		
8/10	53 B 088			25*	53 B 105		
1	53 B 089			30*	53 B 106		

TYPE 3AB FUSES

[C] **Series 314000.** Steatite powder-filled; for high-current use. Medium time-lag. 1¼x¼″. Max. v., 250; except *125. Types thru 15 apms, U.L. Approved. 2 oz. **5 per pkg.**

1/4	53 B 712	60¢	50¢	8	53 B 721	54¢	45¢
1/2	53 B 714			10	53 B 722	54¢	45¢
3/4	53 B 715			12	53 B 723	57¢	48¢
1	53 B 716	57¢	48¢	15	53 B 724	57¢	48¢
2	53 B 717	57¢	48¢	20*	53 B 725	57¢	48¢
3	53 B 718	57¢	48¢	25*	53 B 726	66¢	55¢
5	53 B 719	54¢	45¢	30*	53 B 727	66¢	55¢

TYPE 3AG PIGTAIL FUSES

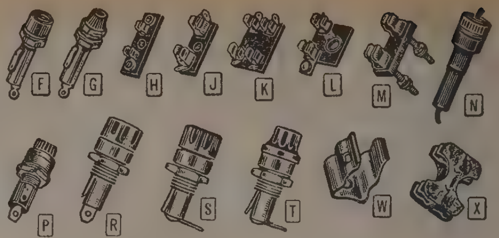
[D] **Series 318000.** Fast-acting type. All have 1½″ tinned copper leads. Max. v., 250. Size: 1¼x¼″. 2 oz. **5 fuses per package.**

1/4	53 B 017	66¢	55¢	1	53 B 239	51¢	42¢
1/2	53 B 018			2	53 B 638		
3/4	53 B 640			3	53 B 639		

TYPE SFE 32-VOLT AUTO FUSES

[A] **Series 307000.** Medium-acting fuses. Sizes specified by S.A.E. Specially grooved element strengthens fuses against vibrations. U.L. Approved. Max. volts 32. ¼″ dia. 2 oz. per pkg. **5 per pkg.**

Amps	Stock No.	Length	PKG. OF 5		Amps	Stock No.	Length	PKG. OF 5	
			1-19	20-Up				1-19	20-Up
4	53 B 287	⅝″	19¢	16¢	14	53 B 291	1 1/16″	15¢	13¢
6	53 B 288	¾″	19¢	16¢	20	53 B 292	1¼″	15¢	13¢
7½	53 B 289	⅞″	17¢	14¢	30	53 B 293	1 1/16″	20¢	17¢
9	53 B 290	⅞″	17¢	14¢					



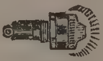
FUSE MOUNTINGS, RETAINERS, POSTS

Fuse holders for every application. *With fuse. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	For Fuses	Description	EACH
53 B 000	341001	F	3AG, 3AB	Screw slot	43¢
53 B 012	371001	F	8AG	Screw slot	43¢
53 B 011	442001	G	4AG	Thumb knob	96¢
53 B 001	342001	G	3AG, 3AB	Thumb knob	43¢
53 B 013	372001	G	8AG	Thumb knob	43¢
53 B 009	357001	H	3AG, 3AB	Lug terminals	14¢
53 B 015	387001	H	8AG	Lug terminals	14¢
53 B 008	356001	H	3AG, 3AB	Screw terminals	29¢
53 B 006	350218	J	3AG, 3AB	Single fuse mounting	14¢
53 B 016	387002	K	2-8AG	Double fuse mounting	28¢
53 B 010	357002	K	2-3AG or 3AB	Double fuse mounting	28¢
53 B 014	383002	L	8AG	"Meter-back" mounting	26¢
53 B 007	353001	M	3AG, 3AB	Panel type mounting	41¢
53 B 248	155009	N	*SFE, (9 a.)	Inline fuse retainer	33¢
53 B 249	155014	N	*SFE, (14 a.)	Inline fuse retainer	33¢
53 B 294	155020	N	*SFE, (20 a.)	Inline fuse retainer	33¢
53 B 002	342012	P	3AG	Extractor post	33¢
53 B 003	342014	R	3AG	Miniature fuse post	32¢
53 B 004	342004	S	3AG	Miniature fuse post	38¢
53 B 005	342022	T	3AG	Miniature fuse post	38¢

53 B 238. Fig. W. Type 101001 Fuse Clips. Fit SFE, 3AG, 8AG and 3AB fuses...**Each 2¢**

53 B 323. Fig. X. Type 350130 Fuse Holders. Fit 3AG fuses. Shpg. wt. 2 oz...**Each 18¢**



TYPE 3AG INDICATING FUSE POSTS

Light when fuses blow. Mount in ⅝″ "D" hole. Require 1 9/16″ behind panel. With lamps. *Fused circuit voltage—20 amps max. Wt. 2 oz.

Stock No.	Type or MS No.	*Volt Range	Knob Color	EACH
53 B 019	344006	2½-7	Amber	2.21
53 B 020	344012	7-16	Amber	2.21
53 B 021	344024	16-32	Amber	2.21
53 B 022	344125	100-125	Clear	1.36
53 B 023	344250	200-250	Clear	1.36

LIMITED-CURRENT BAYONET FUSES

[E] TV fuses for 346000 bayonet-lock fuse holders only. Series 333000 rated 125 v.; 332000 250 except *125. 2 oz. **5 per pkg.**

333000 Series (Slo-Blo N Type)				332000 Series (Regular C Type)			
Amps	Stock No.	PKG. OF 5		Amps	Stock No.	PKG. OF 5	
		1-19	20-Up			1-19	20-Up
.1	53 B 692	93¢	77¢	.25	53 B 312	54¢	45¢
.25	53 B 295			.3	53 B 313		
.3	53 B 296			.375	53 B 314		
.4	53 B 297			.5	53 B 315		
.5	53 B 298	93¢	77¢	.75	53 B 316	54¢	45¢
.6	53 B 299			1.0	53 B 317	30¢	25¢
.7	53 B 306			1.25	53 B 697	30¢	25¢
.75	53 B 307			1.5	53 B 318	30¢	25¢
1.0	53 B 308	93¢	77¢	1.75	53 B 698	30¢	25¢
1.25	53 B 309	84¢	70¢	2.0	53 B 319		
1.6	53 B 310	84¢	70¢	2.5	53 B 320		
2.0	53 B 311	84¢	70¢	3.0	53 B 699		
2.5	53 B 693	81¢	68¢	4 0	53 B 700	39¢	33¢
3.0	53 B 694			5.0	53 B 701		
4.0	53 B 695			6.0	53 B 702		
5.0	53 B 696			7.0*	53 B 321		

TYPE 8AG FUSES

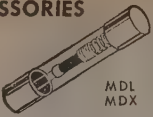
[A] **Series 361000 Fast-Action Instrument Fuses.** Rated 250 max. volts except * which is 125. 1x¼″. 2 oz. per pkg. **5 fuses per pkg.**

Amps	Stock No.	PKG. OF 5		Amps	Stock No.	PKG. OF 5	
		1-19	20-Up			1-19	20-Up
1/500	53 B 214	4.38	3.65	4/10	53 B 661	42¢	35¢
1/200	53 B 215	1.83	1.53	1/2	53 B 222	42¢	35¢
1/100	53 B 216	1.65	1.38	3/4	53 B 223	42¢	35¢
1/32	53 B 217	1.44	1.20	1	53 B 224	30¢	25¢
1/16	53 B 218	.90	.75	1½	53 B 225	30¢	25¢
1/10	53 B 658	.66	.55	2	53 B 235	30¢	25¢
1/8	53 B 219	.66	.55	3	53 B 236		
3/16	53 B 659	.66	.55	4*	53 B 662		
2/10	53 B 660	.66	.55	5*	53 B 237		
1/4	53 B 220	.42	.35	20*	53 B 663		
3/8	53 B 221	.42	.35				

Fuses, Circuit-Breakers, and Accessories

BUSS FUSES AND ACCESSORIES

TYPE MDL FUSETRON FUSES



Long time-lag prevents needless blows from starting currents or surges. Operates instantly on high overloads or shorts. Thermal cutout operates slowly on low overloads. Size, 1¼x¼". U.L. Approved. Shpg. wt. per pkg. 2 oz. **5 fuses per package.**

Amps	Max. Volts	Stock No.	PKG. OF 5 1-19	PKG. OF 5 20-Up	Amps	Max. Volts	Stock No.	PKG. OF 5 1-19	PKG. OF 5 20-Up
1/100	250	53 B 441	1.23	1.02	4/10	250	53 B 453	90¢	75¢
1/32	250	53 B 442	1.23	1.02	½	250	53 B 454		
1/16	250	53 B 443	.90	.75	6/10	250	53 B 455		
1/10	250	53 B 444	.90	.75	8/10	250	53 B 456		
15/100	250	53 B 450	.90	.75	1	250	53 B 461	90¢	75¢
2/10	250	53 B 451			2-8/10	125	53 B 466	66¢	55¢
¼	250	53 B 407			4	32	53 B 468	66¢	55¢
3/10	250	53 B 452			5	32	53 B 469	66¢	55¢

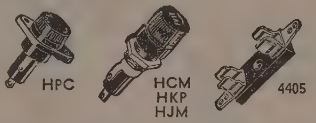
TYPE MDX 125-VOLT FUSETRON FUSES

Have same thermal delay action as Type MDL above, but open in approximately half the time ½ second. 1¼x¼". U.L. Approved. Shpg. wt. per pkg., 2 oz.; per 100, 15 oz. **5 fuses per package.**

Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up	Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up
3-2/10	53 B 408	66¢	55¢	6¼	53 B 505	75¢	62¢
4	53 B 503			7	53 B 506		
5	53 B 504						

FUSE MOUNTINGS

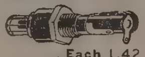
Provide convenient mounting of fuses in radio and television sets, in automobiles, audio amplifiers, test equipment and similar applications. Fuses project beyond holder body for quick and easy replacement.



All have solder terminals except Type 4513 (not illustrated) which has screw terminals. Av. shpg. wt. 2 oz.

Stock No.	Type	For Fuses	EA.	Stock No.	Type	For Fuses	EA.
53 B 500	HPC	1³⁄₃₂x1½"	50¢	53 B 480	4405	1¼x¼"	14¢
53 B 477	HCM	⁹⁄₃₂x1¼"	46¢	53 B 481	4408	Double 4405	28¢
53 B 475	HKP	¼x1¼"	32¢	53 B 193	1749*	2½x⅜"	14¢
53 B 478	HJM	1x¼"	32¢	53 B 195	4513†	1⁷⁄₁₆x¼"	36¢

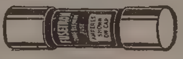
TYPE HKL AND HKR INDICATOR FUSEHOLDERS



For 1¼x¼" fuses. HKL has neon indicator which lights when fuse is blown. HKL for use in 100 to 250-volt circuits. U.L. Approved. HKR is for 32-volt circuits; has incandescent indicator. 1 oz.

53 B 501. Type HKL..**Each 1.42**
53 B 502. Type HKR..**Each 2.21**

FUSETRON TYPE FNM LONG TIME-LAG FUSES



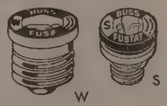
Dual-element—fuse link operates on high overloads or short-circuits; thermal cutout on low overloads with long time lag. 1³⁄₃₂x 1½". 250 v. max. except *125 v., †32 v. U.L. Approved. 5 oz. **10 per pkg.**

AMPERAGES AVAILABLE

1/10	4/10	1	1-6/10	2½	4	6¼	10	25†
15/100	½	1⅛	1-8/10	2-8/10	4½	7	12*	30†
2/10	6/10	1¼	2	3-2/10	5	8	15*	
3/10	8/10	1-1/10	2¼	2-1/10	5-6/10	9	20†	

53 BB 449. *Specify Amperage.* **1-9 Pkgs.**..........**PER PKG. 2.60**
10 or More Pkgs. *Specify Amperage from Table Above.* **PER PKG. 2.20**

HOUSEHOLD PLUG FUSES



All are 125 v. max. Type T dual-element fuses are protected against "blowing" during motor starting. Shpg. wt. per pkg., 5 oz. **4 fuses per pkg.** Type W are Edison base house fuses. Shpg. wt. per pkg., 6 oz. **5 fuses per pkg.** Type S are time-delay; cannot be replaced with higher values without changing adapter. Shpg. wt. per pkg., 2 oz. **4 fuses per pkg.**

FUSETRON TYPE T DUAL-ELEMENT FUSES

Amps	Stock No.	PER PKG. OF 4 1-19	PER PKG. OF 4 20-Up	Amps	Stock No.	PER PKG. OF 4 1-19	PER PKG. OF 4 20-Up
15	53 B 521	30¢	28¢	25	53 B 523	30¢	28¢
20	53 B 522			30	53 B 524		

TYPE W PLUG FUSES

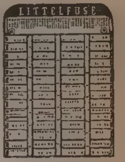
Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up	Amps	Stock No.	PER PKG. OF 5 1-19	PER PKG. OF 5 20-Up
3	53 B 560	32¢	29¢	15	53 B 565	29¢	26¢
8	53 B 563			20	53 B 566		
10	53 B 564			30	53 B 568		

TYPE S FUSTAT FUSES

Amps	Stock No.	Body Color	Amps	Stock No.	Body Color
15	53 B 241	Blue	25	53 B 243	Green
20	53 B 242	Orange	30	53 B 244	Green

PER PACKAGE OF 4..**43¢**
20 or More Pkgs., PER PACKAGE OF 4..........................**40¢**

LITTELFUSE FUSEMASTER KIT



Handy clear-plastic rack displays 300 fuses. Comes with 100 assorted popular fuses, inventory control backboard, pressure-sensitive blank inventory labels, and mounting screws. 100 assorted fuses include: TYPE 3AG—ten ¼-amp, ten ½-amp, five 1-amp, five 2-amp, five 5-amp. TYPE 3AG SLO-BLO—ten ¼-amp, five ½-amp, five 1-amp, five 2-amp, five 3-amp, ten 5-amp. TYPE C—ten 3/10-amp. TYPE N—five 3/10-amp, five 4/10-amp, five ½-amp With convenient storage rack. Size, 11x7¾x2". Shpg. wt., 2 lbs.

53 B 071..**10.72**

SERVICEMEN'S FUSE CADDIES

Type 094041. Designed to fit in tube caddy. Contains 15 boxes (5 fuses per box) of Types C and N limited-current fuses marked by * in table below. Rated 250 v., except 7 amp fuse, 125 v. Plastic case has 3 spare compartments. Size, 1⅞x3x4¼". 2 lbs.

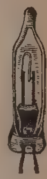
53 B 282..**9.40**

Type 094037. As above but contains 14 boxes of fuses (†). Also includes emergency kit with radio fuses in popular values. 2 lbs.

53 B 072..**6.97**

Type	Amps	Type	Amps	Type	Amps
C (Regular)	.3*	N (Slo-Blo)	.6*	3AG	2.0†
C (Regular)	.5*	N (Slo-Blo)	.7*	3AG	3.0†
C (Regular)	.75*	N (Slo-Blo)	1*†	3AG	5.0†
C (Regular)	2*	N (Slo Blo)	1.25*†	3AG (Slo-Blo)	.25†
C (Regular)	2.5*†	N (Slo-Blo)	1.6*	3AG (Slo-Blo)	.5†
C (Regular)	7*	N (Slo-Blo)	2*	8AG-U.L.	.25†
N (Slo-Blo)	.25*†	3AG	.25†	8AG-U.L.	.5†
N (Slo-Blo)	.3*	3AG	.5†		
N (Slo-Blo)	.5*	3AG	1†		

SYLVANIA "MITE-T-BREAKERS"



Automatic Reset Type. Wire directly into equipment to replace fusing. Handle rated current at 125 v. with min. trip currents of 200% rated current. Example: 1-amp breaker holds at 1 amp; trips at 2 amps. Hermetically sealed glass envelope. 1.26"x.39" dia; 1" copper leads. U.L. Approved.

Remote Reset Indicating Type. Above except 24 v. rating. Also has tungsten filament which incandesces when breaker opens. Contacts held in open position until voltage is removed. Breaker returned to protective condition by manual remote reset. Wt. 2 oz.

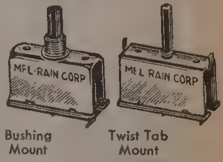
NON-INDICATING TYPE

Stock No.	Mfr's Type	Amps	EA.	Stock No.	Mfr's Type	Amps	EA.
34 B 075	MB-315	1	25¢	34 B 078	MB-317	3	25¢
34 B 076	MB-316	2		34 B 079	MB-318	4	

INDICATING TYPE

Stock No.	Mfr's Type	Amps	EA.	Stock No.	Mfr's Type	Amps	EA.
34 B 066	MB-215	1	36¢	34 B 068	MB-217	2	36¢
34 B 067	MB-216	1.5		34 B 069	MB-218	2.5	

MEL-RAIN CIRCUIT BREAKERS

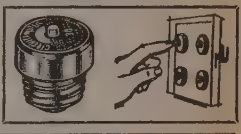


Feature "anti-cheat" reset action; non-cycling, constant pressure. Temperature compensated. Tripping time is within 10 seconds. Available in either bushing mount or twist-tab mount. Bushing mount is ideal for use in new equipment; tab-mount is exact replacement for circuit protectors now in use. Shpg. wt. 3 oz.

Amps (*Ma)	Tab Mount Stock No.	Bushing Mt. Stock No.	Amps	Tab Mount Stock No.	Bushing Mt. Stock No.
*500	33 B 988	33 B 978	2.25	33 B 993	33 B 983
*750	33 B 989	33 B 979	2.75	33 B 994	33 B 984
1.0	33 B 990	33 B 980	3.25	33 B 995	33 B 985
1.65	33 B 991	33 B 981	3.75	33 B 996	33 B 986
2.0	33 B 992	33 B 982	4.0	33 B 997	33 B 987

1-9..........................**Ea. 80¢** **10-49**..........................**Ea. 72¢**

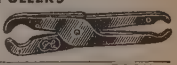
"MINI-BREAKER" CIRCUIT MINDERS



Precision circuit protectors that provide circuit breaker action; open overloaded circuits; reset with pushbutton. Fit Edison base sockets. U.L. Approved. For 120 v. AC. Shpg. wt., 3 oz.

Stock No.	Amperes	EACH
53 B 245	15	89¢
53 B 246	20	
53 B 247	30	

G-C "SPEEDEX" FUSE PULLERS

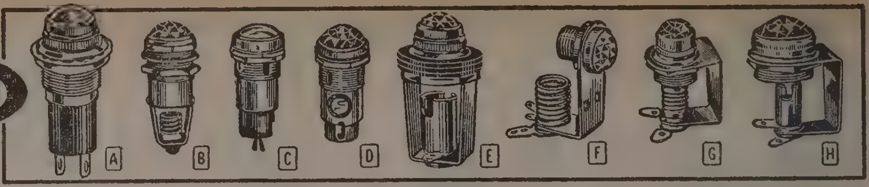


Permits quick removal of cartridge-type fuses. Has non-slip construction. Laminated insulation of high dielectric material prevents shock from dangerous high voltages.

Stock No.	Mfr's Type	For Fuse Diameters	Shpg. Wt.	EACH
45 N 836	5525	¼" to ½"	6 oz.	.59
45 N 837	5526	½" to 1½"	7 oz.	1.27

Pilot Light Assemblies, Switches, Indicator Lights

DIALCO



PILOT LIGHT ASSEMBLIES

LOW V. ENCLOSED SIGNAL ASSEMBLIES

A **Series 812210 and 815910.** Convex lens; smooth face, frosted back. ½″ white, nickel-plated brass holders. Use bayonet lamp, replaceable from front. 2¼″ long. 1¹⁄₁₆″ mtg. hole. Panels up to ⅜″ thick. *Translucent, unfrosted. †Solder terminals. §Binding screws. Less lamp. 2 oz.

Type	812210†	815910§	Color	EACH
111	7 E 780	7 E 787	Red	75¢
112	7 E 781	7 E 788	Green	
113	7 E 782	7 E 789	Amber	
114	7 E 786	7 E 791	Blue	
116	7 E 638	7 E 640	Yellow	75¢
117	7 E 639	7 E 692	Clear	
135*	7 E 785	7 E 790	White	

FACETED UNFROSTED LENS

Type	812210†	815910§	Color	EACH
431	7 E 792	7 E 799	Red	75¢
432	7 E 793	7 E 800	Green	
433	7 E 794	7 E 801	Amber	
434	7 E 796	7 E 803	Blue	
435	7 E 795	7 E 802	White	75¢
436	7 E 797	7 E 804	Yellow	
437	7 E 798	7 E 805	Clear	

ENCLOSED NEON LIGHT ASSEMBLIES

A **Series 952208(H) and 955908(H).** With built-in 56K resistor for NE-51, 110-125 v. circuit; or 22K for NE-51H high brightness neon glow lamp. 110-125 v. AC or DC. Plastic head, phenolic body, 2¹⁄₁₆″ long. 1¹⁄₁₆″ mtg. hole. *Solder terms. †Screw terms. U.L. Listed. Less lamp. 2 oz.

FOR NE-51

Type	952208*	955908†	Color	EACH
931	7 E 838	7 E 693	Red	71¢
933	7 E 839	7 E 694	Amber	
935	7 E 840	7 E 695	White	
937	7 E 841	7 E 696	Clear	

FOR NE-51H

Type	952208H*	955908H†	Color	EACH
931	7 E 697	7 E 842	Red	71¢
933	7 E 698	7 E 843	Amber	
935	7 E 699	7 E 844	White	
937	7 E 732	7 E 845	Clear	

ENCLOSED NEON LIGHT ASSEMBLIES

Series 952210 and 955910. As Series 952208(H) and 955908(H) below, at left, but less resistor. For min. bayonet lamps. *Solder term. †Screw term. 2 oz.

Type	952210*	955910†	Color	EACH
931	7 E 846	7 E 853	Red	71¢
932	7 E 847	7 E 854	Green	
933	7 E 848	7 E 855	Amber	
934	7 E 849	7 E 856	Blue	
935	7 E 850	7 E 857	White	71¢
935	7 E 851	7 E 858	Yellow	
937	7 E 852	7 E 859	Clear	

ONE-INCH-MOUNT ASSEMBLIES

B **Series 75C.** 115-volt open type. Faceted jewel. Chromed, solid brass holder. Candelabra screw socket. Friction-fit chrome-plated cap. Less S6 lamp. 2 oz.

Stk. No.	Type	Color	Stk. No.	Type	Color
7 E 860	431	Red	7 E 863	434	Blue
7 E 861	432	Green	7 E 864	435	White
7 E 862	433	Amber			

Any Color........................**Each 89¢**

C **Series 312901.** Enclosed. Convex lens; frosted back. Brass. Chromed cap. 6″ leads. *Translucent. Less S6 lamp. 3 oz.

7 E 934	111	Red	7 E 865	114	Blue
7 E 935	112	Green	7 E 937	117	Clear
7 E 936	113	Amber	7 E 866	135	White*

Any Color........................**Each 1.69**

D **Series 313101.** 115-volt. Faceted. Black phenolic; brass. Chromed holder. Cand. base. Less S6 lamp. U.L. Listed. 3 oz.

7 E 928	431	Red	7 E 933	434	Blue
7 E 929	432	Green	7 E 932	435	White
7 E 930	433	Amber	7 E 931	437	Clear

Any Color........................**Each 1.20**

Similar to the above, but with convex lens; frosted back. *Translucent, unfrosted. 3 oz.

7 E 867	111	Red	7 E 782	116	Yel.
7 E 868	112	Green	7 E 873	117	Clear
7 E 869	113	Amber	7 E 871	135	White*
7 E 870	114	Blue			

Any Color........................**Each 1.20**

HALF-INCH OPEN MIN. BAYONET TYPES

E **Series 857B.** ½″ lens. 1¹⁄₁₆″ mtg. hole. *Translucent, unfrosted. †Not illus.—frosted back. Less lamp. 2 oz.

Stk. No.	Convex†	Stk. No.	Faceted	Color
7 E 874	111	7 E 889	431	Red
7 E 875	112	7 E 890	432	Green
7 E 880	113	7 E 891	433	Amber
7 E 885	114	7 E 892	434	Blue
7 E 887	116	7 E 894	436	Yel.
7 E 888	117	7 E 895	437	Clear
7 E 886	135*	7 E 893	435	White

Any Color........................**Each 44¢**

OPEN TYPES—FACETED JEWEL LENSES

F **Series 510M, 610C, 710B.** ½″ lens. Min. screw for T-3¼ bulb; candelabra, G6 bulb; bayonet (not illus.), T-3¼ bulb. ⁷⁄₁₆″ clearance hole. 2 oz.

Color	510M Min. Screw	610C Cand.	710B Bay.
Red	7 E 938	7 E 939	7 E 940
Green	7 E 941	7 E 942	7 E 943
Amber	7 E 944	7 E 945	7 E 946
Blue	7 E 896	7 E 897	7 E 898
White	7 E 899	7 E 987	7 E 988

Any Color........................**Each 21¢**

G **Series 810.** ½″ lens. For T-3¼ bulb. 1¹⁄₁₆″ clearance hole. *Not illus. 2 oz.

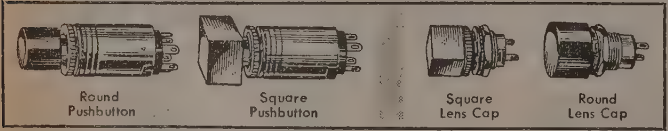
Color	Min. Screw 810M	Bayonet* 810B	EACH
Red	7 E 966	7 E 967	32¢
Green	7 E 968	7 E 969	
Amber	7 E 970	7 E 971	
Blue	7 E 989	7 E 990	
White	7 E 991	7 E 992	

H **Series 910.** 1″ jewel. 910M, 910B require T-3¼ bulb; 910C, S6 bulb. 1″ clearance hole. *Not illus. 2 oz.

Color	*910M Min. Screw	*910C Cand.	910B Bay.
Red	7 E 972	7 E 975	7 E 947
Green	7 E 973	7 E 976	7 E 948
Amber	7 E 974	7 E 977	7 E 949
Blue	7 E 993	7 E 994	7 E 995
White	7 E 996	7 E 997	7 E 998

Any Color........................**Each 80¢**

MATCHING ILLUMINATED PUSHBUTTON SWITCHES AND INDICATOR LIGHTS



Illuminated pushbutton switches and matching indicator lights. Use identical lens caps—may be interchanged at any time. Caps come in choice of 7 colors, round or square. Permit switches and indicators to appear identical or contrasting as you choose. Av. wt., 3 oz.

ILLUMINATED PUSHBUTTON SWITCHES

Mount in ½″ dia. hole from rear in panels up to ³⁄₁₆″ thick. All are momentary action, rated 3 A, 125 VAC; 3 A, 30 VDC resistive. * Indicates dry-circuit gold-plated contacts. Others, solid silver. Less round or square lens caps, and lamps at right.

Stock No.	Type	Action	EACH
8 E 850	A015	SPST N.O.	2.95
8 E 851	B015	SPST N.C.	2.95
8 E 852	C015	SPDT	3.25
8 E 853	D015*	SPST N.O.	3.25
8 E 854	E015*	SPST N.C.	3.25
8 E 855	F015*	SPDT	3.55

INDICATOR LIGHT

Type 183-9830-14. Matches switches, above. For front or rear mtg. in ½″ dia. hole. Less lens caps, lamps, at right.

8 E 856........................**Each 86¢**

½″ LENS CAPS

For switches and indicator light at left. Solid-color translucent face and sides; high-strength plastic lens. Rotatable types permit alignment after installation. Keyed types push on for permanent positioning.

Color	Round Rotatable		Round Keyed	
	Stk. No.	Type	Stk. No.	Type
Red	8 E 857	183-1471	8 E 864	186 1471
Green	8 E 858	183-1472	8 E 865	186-1472
Amber	8 E 859	183-1473	8 E 866	186-1473
Blue	8 E 860	183-1474	8 E 867	186-1474
White	8 E 861	183-1475	8 E 868	186-1475
Lt. Yel	8 E 862	183 1476	8 E 869	186-1476
Ivory	8 E 863	183-1478	8 E 870	186-1478

Color	Square Rotatable		Square Keyed	
	Stk. No.	Type	Stk. No.	Type
Red	8 E 871	185-1871	8 E 878	184-1871
Green	8 E 872	185-1872	8 E 879	184-1872
Amber	8 E 873	185-1873	8 E 880	184-1873
Blue	8 E 874	185-1874	8 E 881	184-1874
White	8 E 875	185-1875	8 E 882	184-1875
Lt. Yel.	8 E 876	185-1876	8 E 883	184-1876
Ivory	8 E 877	185-1878	8 E 884	184-1878

Any Color........................**Each 49¢**

¾″ LENS CAPS

Fit switches and indicator light at left. Solid-color translucent face and sides. High-strength plastic lens. Available keyed only, push on for permanent and accurate positioning. Larger size provides increased illumination.

Color	Round Keyed		Square Keyed	
	Stk. No.	Type	Stk. No.	Type
Red	8 E 885	188-1471	8 E 892	187-1871
Green	8 E 886	188-1472	8 E 893	187-1872
Amber	8 E 887	188-1473	8 E 894	187-1873
Blue	8 E 888	188-1474	8 E 895	187-1874
White	8 E 889	188-1475	8 E 896	187-1875
Lt. Yel.	8 E 890	188-1476	8 E 897	187-1876
Ivory	8 E 891	188-1478	8 E 898	187-1878

Any Color........................**Each 79¢**

G.E. T-1¾ LAMPS

For switches and indicator light, at left. Use lamp with rated voltage equal to or larger than circuit voltage for longer life. *New 50,000-hour types.

Stock No.	Mfr's Type	Volts	Amps	EACH
8 E 901	338	2.7	.06	.87
7 E 376	345	6.0	.04	1.50
7 E 343	328	6.0	.20	.56
7 E 400	380*	6.3	.04	1.70
7 E 401	381*	6.3	.20	1.05
7 E 375	344*	10	.014	1.50
8 E 900	367	10	.04	1.60
7 E 374	330	14	.08	.80
7 E 402	382*	14	.08	1.30
7 E 342	327	28	.04	.72

Leecraft Indicators and Sockets, Dialco Lens Caps

LEECRAFT NEON INDICATOR LIGHTS

Rectangular neon indicator lights—excellent for new equipment design or for modernizing existing equipment. White nylon housing with chromed bezel. Have 6″ insulated leads. Require 1.281x.395″ mtg. hole. Series resistor supplied. Rated ⅓ watt at 125-250 v. 1⅜x15⁄32x 21⁄32″. 5 oz.

SERIES 31-2100—110-125 VOLTS

Stock No.	Type	Color	EACH
8 E 508	31-2131-6	Red	75¢
8 E 509	31-1133-6	Amber	
8 E 510	31-2137-6	Clear	
8 E 511	31-2135-6	White	

SERIES 31H-2100—210-250 VOLTS

8 E 512	31H-2131-6	Red	75¢
8 E 513	31H-2133-6	Amber	
8 E 514	31H-2137-6	Clear	
8 E 515	31H-2135-6	White	

SNAPLITE NEON PILOT LIGHTS

Snap-fit into ½″ dia. holes in panels of any thickness. White nylon housing. Butyrate lens cap for 110-200° C. ⅓ watt. Series 32-2100 for 110 v.; up to 15,000-hr. life. 35-2100, 220 v; up to 25,000-hr. life. U. L. Listed.

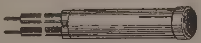
CYLINDRICAL-CAP TYPES

Stock No.	Type	Color	EACH
7 E 921	32-2111-6	Red	70¢
7 E 922	32-2113-6	Amber	
7 E 923	32-2117-6	Clear	
8 E 124	32-2115:6	White	
7 E 925	35-2111-6	Red	70¢
7 E 926	35-2113-6	Amber	
7 E 927	35-2117-6	Clear	
8 E 125	35-2115-6	White	

DOME-SHAPE-CAP TYPES

8 E 126	32-2211-6	Red	70¢
8 E 127	32-2213-6	Amber	
8 E 128	32-2217-6	Clear	
8 E 129	32-2215-6	White	
8 E 130	35-2211-6	Red	70¢
8 E 131	35-2213-6	Amber	
8 E 132	35-2217-6	Clear	
8 E 133	35-2215-6	White	

"TINEON" INDICATORS



Long life, high brightness neon lamps. Press-fit into 5⁄16″ dia. hole. Durable nylon housing and plastic lens. With speed nut. Series 36N is rated at 110-125 v.; 36HN at 210-250 v. With built-in resistor. Series 41N uses external resistor (not supplied).

110-120 VOLT TYPES

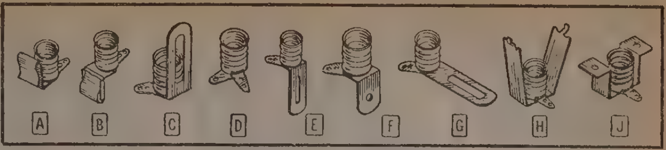
8 E 698	36N-2311-6	Red	65¢
8 E 699	36N-2313-6	Amber	
8 E 700	36N-2315-6	White	
8 E 701	36N-2317-6	Clear	

210-250 VOLT TYPES

8 E 702	36HN-2311-6	Red	65¢
8 E 703	36HN-2313-6	Amber	
8 E 704	36HN-2315-6	White	
8 E 705	36HN-2317-6	Clear	

LIGHTS WITHOUT RESISTORS

8 E 706	41N-2311-6	Red	60¢
8 E 707	41N-2313-6	Amber	
8 E 708	41N-2315-6	White	
8 E 709	41N-2317-6	Clear	



LEECRAFT SOCKETS

Series 2-00. Miniature bayonet sockets with insulating sleeves. .025 to .032″ steel brackets; cadmium-plated for corrosion resistance. Built-in #22 wire leads.

Stock No.	Type	Fig.	EACH
8 E 054	2-01	A	25¢
8 E 055	2-04	B	
8 E 056	2-06	D	
8 E 057	2-13	G	
8 E 058	2-15	H	

Series 3-00. Miniature bayonet sockets in molded bakelite. U.L., C.S.A. Listed.

8 E 059	3-01	A	30¢
8 E 060	3 02	B	
8 E 061	3-05	C	
8 E 062	3-06	D	30¢
8 E 063	3-13	G	
8 E 064	3-15	H	
8 E 065	3-20	F	

Series 4-00. Candelabra screw sockets in molded bakelite. #18 black and white wire, 6″ long with ends stripped ½″. For both incandescent and neon glow lamps.

8 E 066	4-01	A	30¢
8 E 067	4-04	B	
8 E 068	4-05	C	
8 E 069	4-06	D	
8 E 070	4-08	F	
8 E 071	4-15	H	

Series 5-00. Miniature screw sockets with tinned solder terminals for easy connection. Useful for low-voltage incandescent lamp applications. Heavily cadmium-plated steel brackets resist corrosion.

8 E 072	5-01	A	20¢
8 E 073	5-04	B	
8 E 074	5-05	C	
8 E 075	5-06	D	
8 E 076	5-07	E	20¢
8 E 077	5-08	F	
8 E 078	5-13	G	
8 E 079	5-15	H	

Series 6-00. Candelabra sockets. Tinned solder terminals. .025 to .032″ steel brackets; cadmium-plated for corrosion resistance. For G6, S6 incandescent lamps.

8 E 080	6-01	A	20¢
8 E 081	6-04	B	
8 E 082	6-05	C	
8 E 083	6-06	D	
8 E 084	6-07	E	20¢
8 E 085	6-08	F	
8 E 086	6-11	J	
8 E 087	6-13	G	
8 E 088	6-15	H	

Series 7-00. Miniature bayonet sockets with solder terminals for low-voltage incandescent lamps as T-3¼, G-3½, and G-4¼. *Not illustrated (for printed circuits).

8 E 089	7-01	A	20¢
8 E 090	7-04	B	
8 E 091	7-05	C	
8 E 092	7-06	D	
8 E 093	7-07	E	
8 E 094	7-08	F	20¢
8 E 095	7-11	J	
8 E 096	7-13	G	
8 E 097	7-15	H	
8 E 098	7-20	D	
8 E 099	7-35	*	

Series 11-200. Single-contact candelabra bayonet socket with one wire lead. Comes with #18 wire and .035 to .042″ thick steel brackets; cadmium-plated for high corrosion resistance.

Stock No.	Type	Fig.	EACH
8 E 100	11-271	C	30¢
8 E 101	11 272	D	

Series 12-200. Double-contact candelabra bayonet sockets. Contacts are mounted in a bakelite disk and separated by small coils. Disk is spring-loaded to assure positive contact. Can be used with incandescent and neon glow lamps as NE-48, S6, and 10C7. *Not illustrated—plug in bracket. U.L. and C.S.A. Approved.

Stock No.	Type	Fig.	EACH
8 E 102	12-201	A	35¢
8 E 103	12-202	B	
8 E 104	12-212	G	
8 E 105	12-240	*	
8 E 106	12-271	C	
8 E 107	12-272	D	

Series 14-00. Intermediate screw sockets with wire leads. For incandescent and ozone lamps. U.L. and C.S.A. Approved.

Stock No.	Type	Fig.	EACH
8 E 108	14-71	C	35¢
8 E 109	14-72	F	
8 E 110	14-212	G	

Series 1600. Midget screw sockets with soldering terminals; tinned for easy connections.

Stock No.	Type	Fig.	EACH
8 E 111	16-08	F	30¢

Series 18-00. Candelabra screw base socket. For incandescent and neon glow lamp applications. Insulating sleeve for use over screw sleeve is supplied to meet U.L. and C.S.A. requirements.

Stock No.	Type	Fig.	EACH
8 E 112	18-01	A	25¢
8 E 113	18-04	B	
8 E 114	18-76	D	
8 E 115	18-79	C	

Series 23-00 and 23-200. (Not illustrated.) Molded wedge-base sockets. Double-contacts insure security of lamp—firmly held on both sides. 23-00 series has terminals, 23-200 series has wire leads. *Left-hand bracket. †Right-hand bracket. U.L. Listed for AC DC receivers.

Stock No.	Type	Fig.	EACH
8 E 116	23-23*	......	25¢
8 E 117	23-24†	......	
8 E 118	23-223*	......	25¢
8 E 119	23-224†	......	

Series 57-00 and 57-200. Double-contact candelabra bayonet sockets with tab terminals. Rated 75 watts; 125 volts. Steel brackets, .035 to .042″ thick; cadmium plated Type 57-241 has wire leads, not tab terminals. *Has right-hand bracket. U.L. and C.S.A. Approved.

Stock No.	Type	Fig.	EACH
8 E 120	57-24	*	30¢
8 E 121	57-41	D	
8 E 122	57-45	A	
8 E 123	57-241	D	35¢

DIALCO REPLACEMENT LENS CAPS

Series 95 Plastic Replacement Lens Caps. (Not illus.) For pilot light series 95408, 951308, 952208, 952210, 955910. 2 oz.

Series 52 Lens Caps. (Not illus.) For series 52408X (H) and 5210308X (H). 2 oz.

Color	Stock No.	Type 95-	Stock No.	Type 52-
Red	8 E 028	931	8 E 034	991
Green	8 E 029	932	8 E 035	992
Amber	8 E 030	933	8 E 036	993
Blue	8 E 031	934	8 E 037	994
White	8 E 033	935	8 E 039	995
Clear	8 E 032	937	8 E 038	997

Any Color........................**Each 19¢**

Series 31 Replacement Lens Caps. (Not illus.) For pilot light series 75C, 213901 and 313101. Polished chrome. Convex lens frosted on back. *Translucent, unfrosted. 3 oz.

Color	Stk. No.	Convex	Stk. No.	Faceted
Red	7 E 999	—111	8 E 006	—431
Green	8 E 000	—112	8 E 007	—432
Amber	8 E 001	—113	8 E 008	—433
Blue	8 E 002	—114	8 E 009	—434
Yellow	8 E 004	—116	8 E 011	—436
Clear	8 E 005	—117	8 E 012	—437
White	8 E 003	—135*	8 E 010	—435

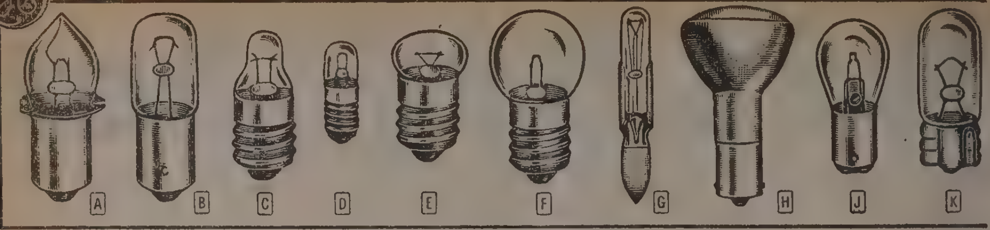
Any Color........................**Each 54¢**

Series 81 Replacement Lens Caps. (Not illus.) For series 812210, 815910, and 857B. White nickel lens holders. Convex lens frosted on back. *Translucent, unfrosted. 3 oz.

Color	Stk. No.	Convex	Stk. No.	Faceted
Red	8 E 040	—111	8 E 047	—431
Green	8 E 041	—112	8 E 048	—432
Amber	8 E 042	—113	8 E 049	—433
Blue	8 E 043	—114	8 E 050	—434
Yellow	8 E 045	—116	8 E 052	—436
Clear	8 E 046	—117	8 E 053	—437
White	8 E 044	—135*	8 E 051	—435

Any Color........................**Each 16¢**

General Electric Miniature, Subminiature Lamps



ABBREVIATIONS USED TO DESCRIBE BASE AND BULB STYLES

BASE CONFIGURATIONS; **Bay.**—bayonet. **Cand.**—candelabra. **D.C.**—double contact. **F.**—flanged. **Mid.**—midget. **Pref.**—prefocused. **S.C.**—single contact. **BULB STYLES:** **B**—lemon. **G**—globe. **FE**—flat end. **R**—reflector. **S**—straight end. **T**—tubular. **TL**—lens end, tubular.

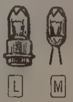
GENERAL-PURPOSE MINIATURE LAMPS

*Switchboard slide-type base. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Volts	Amps	Base	Bulb Stype	EACH	PKG. OF 10
7 E 300	PR-2	A	2.4	.50	S.C., F.	B-3½	.20	1.20
7 E 301	PR 3	A	3.6	.50	S.C., F.	B-3½	.20	1.20
7 E 302	PR-4	A	2.3	.27	S.C., F.	B-3½	.20	1.20
7 E 303	PR-6	A	2.47	.30	S.C., F.	B-3½	.20	1.20
7 E 304	PR-7	A	3.7	.30	S.C., F.	B-3½	.25	1.50
7 E 305	PR-12	A	5.95	.50	S.C., F.	B-3½	.20	1.20
7 E 306	PR-13	A	4.75	.50	S.C., F.	B-3½	.20	1.20
7 E 367	6	J	6.4	3.0	D.C. Bay.	S-8	.35	2.10
7 E 368	8	J	8.0	2.2	D.C. Bay.	S-8	.35	2.10
7 E 307	12	....	6.3	.15	Min. 2-pin	G-3½	.25	1.50
7 E 308	13	F	3.7	.30	Screw	G-3½	.17	1.00
7 E 309	14	F	2.5	.30	Screw	G 3½	.17	1.00
7 E 310	24E	G	24	.035	Tel. Slide*	T-2	.65	4.00
7 E 369	24X	G	24	.035	Tel. Slide*	T-2	.65	4.00
7 E 311	27	F	4.9	.30	Screw	G-4½	.20	1.20
7 E 312	39	B	6.3	.36	Bayonet	T-3¼	.35	2.00
7 E 313	40	B	6.8	.15	Screw	T-3¼	.14	.90
7 E 314	41	B	2.5	.50	Screw	T-3¼	.22	1.40
7 E 315	43	B	2.5	.50	Bayonet	T-3½	.22	1.40
7 E 366	44	B	6-8	.25	Bayonet	T-3¼	.14	.90
7 E 316	45	B	3.2	.35	Bayonet	T-3¼	.18	1.20
7 E 317	46	B	6-8	.25	Screw	T-3½	.14	.90
7 E 318	47	B	6-8	.15	Bayonet	T-3¼	.14	.90
7 E 319	48	B	2.0	.06	Screw	T 3¼	.22	1.40
7 E 320	48C	G	48	.035	Tel. Slide*	T-2	.70	4.30
7 E 321	49	B	2.0	.06	Bayonet	T-3¼	.18	1.20
7 E 322	50	F	6-8	1 c.p.	Screw	G-3½	.15	.90
7 E 323	51	F	6-8	1 c.p.	Bayonet	G-3½	.13	.80
7 E 370	52	F	14.4	.10	Screw	G-3½	.25	1.50
7 E 324	53	F	14.4	.12	Bayonet	G-3½	.13	.80
7 E 325	55	F	6-8	2 c.p.	Bayonet	G-4½	.13	.80
7 E 326	57	F	12	2 c.p.	Bayonet	G-4½	.13	.80
7 E 327	63	F	6-8	3 c.p.	S.C. Bay.	G-6	.17	1.10
7 E 328	67	F	12	4 c.p.	S.C. Bay.	G-6	.17	1.10
7 E 329	67K	F	13.5	4 c.p.	Cand.	G-6	.40	2.50
7 E 372	71K	F	22	.18	Cand.	G-6	.30	2.00
7 E 330	81	F	6-8	6 c.p.	S.C. Bay.	G-6	.22	1.30
7 E 331	82	F	6-8	6 c.p.	D.C. Bay.	G-6	.22	1.30
7 E 332	112	C	1.2	.22	Screw	TL-3	.17	1.00
7 E 333	136	F	1.3	.60	Screw	G-4½	.20	1.20
7 E 334	158	K	12	.24	Wedge	T-3¼	.20	1.20
7 E 335	159	K	6.3	.15	Wedge	T-3¼	.22	1.30
7 E 336	222	C	2.2	.25	Screw	TL-3	.17	1.00
7 E 337	223	E	2.2	.25	Screw	FE-3¾	.20	1.20
7 E 338	224	C	2.15	.22	Special	TL-2¾	.20	1.20
7 E 339	233	F	2.3	.27	Screw	G-3½	.20	1.20
7 E 340	248	F	2.5	.80	Screw	G-5½	.25	1.50
7 E 373	259	K	6.3	.25	Wedge	T-3¼	.20	1.20
7 E 341	313	B	28	.17	Bayonet	T-3¼	.31	1.90
7 E 342	327	P	28	.04	S.C. Mid.	T-1¾	.72	4.40
7 E 343	328	P	6	.20	S.C. Mid.	T-1¾	.56	3.40
7 E 374	330	P	14	.08	S.C. Mid.	T-1¾	.80	4.90
7 E 375	344	P	10	.014	S.C. Mid.	T-1¾	1.50	8.90
7 E 376	345	P	6	.04	S.C. Mid.	T-1¾	1.50	9.30
7 E 377	363	F	14	.20	Bayonet	G-3½	.22	1.30
7 E 378	405	F	6.5	.50	Screw	G-4½	.25	1.50
7 E 379	406	F	2.6	.30	Screw	G-4½	.22	1.30
7 E 380	407	F	4.9	.30	Screw	G-4½	.20	1.20
7 E 344	425	F	5	.50	Screw	G-4½	.20	1.20
7 E 345	428	F	12.5	.25	Screw	G-4½	.17	1.00
7 E 381	431R	F	14	.25	Bayonet	G-4½	.25	1.50
7 E 346	432	F	18.0	.25	Screw	G-4½	.22	1.30
7 E 347	433	F	18	.25	Bayonet	G-4½	.25	1.50
7 E 382	520	F	5.1	.15	Screw	G-4½	.17	1.00
7 E 383	509K	F	24	.18	Cand.	G-6	.25	1.50
7 E 348	605	F	6.1	.50	Screw	G-4½	.20	1.20

GENERAL-PURPOSE MINIATURE LAMPS (Cont'd)

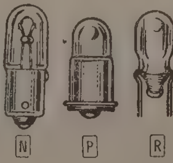
Stock No.	Mfr's Type	Fig.	Volts	Amps	Base	Bulb Style	EACH	PKG. OF 10
7 E 384	1383	H	12	20w	S.C. Bay.	R-12	2.70	16.50
7 E 349	1445	F	18	.15	Bayonet	G-3½	.20	1.20
7 E 350	1446	F	12	.20	Screw	G-3½	.25	1.50
7 E 351	1447	F	18.0	.15	Screw	G-3½	.20	1.20
7 E 352	1449	F	14	.20	Screw	G-3½	.17	1.00
7 E 353	1458	F	20	.25	Bayonet	G-5	.25	1.50
7 E 385	1474	B	14	.17	Screw	T-3	.35	2.10
7 E 354	1477	B	24	.17	Screw	T-3	.50	3.10
7 E 355	1487	B	12-16	.20	Screw	T-3¼	.25	1.50
7 E 356	1488	B	14	.15	Bayonet	T-3¼	.25	1.50
7 E 357	1493	J	6.5	2.75	D.C. Bay.	S-8	1.05	6.40
7 E 386	1630	J	6.5	2.75	D.C. Pref.	S-8	1.46	8.50
7 E 358	1651	J	5	.60	S.C. Bay.	S-8	.60	3.70
7 E 387	1763	J	6.1	4.1	S.C. Pref.	S-11	1.15	7.00
7 E 359	1768	D	6	.20	Mid. Screw	T-1¾	.90	5.50
7 E 388	1769	D	2.5	.20	Mod. Screw	T-1¾	.87	5.30
7 E 360	1813	B	14.4	.10	Bayonet	T-3¼	.25	1.50
7 E 361	1815	B	12-16	.20	Bayonet	T-3¼	.20	1.30
7 E 389	1816	B	13	.33	Bayonet	T-3¼	.22	1.40
7 E 362	1819	B	28	.04	Bayonet	T-3¼	.36	2.20
7 E 363	1820	B	28	.10	Bayonet	T-3¼	.32	2.00
7 E 390	1822	B	36	.10	Bayonet	T-3¼	.60	3.70
7 E 391	1828	B	37.5	.05	Bayonet	T-3¼	.60	3.70
7 E 364	1829	B	28	.07	Bayonet	T-3¼	.35	2.10
7 E 392	1835	B	55	.05	Bayonet	T 3¼	.60	3.70
7 E 365	1847	B	6.3	.15	Bayonet	T-3¼	.20	1.20
7 E 596	1869	R	10	.014	Wire Term.	T-1¾	1.14	7.00



100,000-HOUR SUBMINIATURE LAMPS

Last about 12 years. Wire-terminal types have solder-dipped leads, size, ¼x⅛″ dia. Others have brass bases; ⅜x3/16″ dia. Bulb style, T-1. For uses where space is critical, service difficult. *±20%. 1 oz.

Stock No.	Mfr's Type	Fig.	Volts	Amps ±10%	Base	EACH	PKG. OF 10
7 E 393	680	M	5	.060	Wire Term.	3.20	19.60
7 E 394	682	L	5	.060	S.C. Bay.	4.00	24.40
7 E 395	683	M	5	.060	Wire Term.	3.20	19.60
7 E 396	685	L	5	.060	S.C. Bay.	4.00	24.40
7 E 397	715	M	5	.115	Wire Term.	3.20	19.60
7 E 398	718	L	5	.115	S.C. Bay.	4.00	24.40
7 E 399	2128	M	3	*.0125	Wire Term.	4.50	27.50



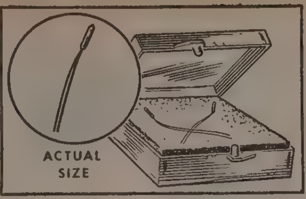
50,000-HOUR LAMPS

Design life is over 5 years—average lifetime is 50,000 hours. Reliable performers come in three industry-standard sizes and physical configurations. Actual life is determined by environmental conditions—vibration, shock, temperature, voltage fluctuations. 1 oz.

Stock No.	Mfr's Type	Fig.	Volts	Amps	Base	Bulb Style	EACH	PKG. OF 10
7 E 400	380	P	6.3	.04	S.C. Mid., F.	T-1¾	1.70	10.40
7 E 401	381	P	6.3	.20	S.C. Mid., F.	T-1¾	1.05	6.40
7 E 402	382	P	14	.08	S.C. Mid., F.	T-1¾	1.20	7.30
7 E 403	755	N	6.3	.15	Min. Bay.	T-3¼	.25	1.50
7 E 404	756	N	14	.08	Min. Bay.	T-3¼	.35	2.00
7 E 405	757	N	28	.08	Min. Bay.	T-3¼	.40	2.40
7 E 406	2180	R	6.3	.04	Wire Term.	T 1¾	.90	5.50
7 E 407	2181	R	6.3	.20	Wire Term.	T-1¾	.50	3.10
7 E 408	2182	R	14	.08	Wire Term.	T-1¾	.60	3.70

Lamps, Sockets and Reducers

SYLVANIA ML-202A MITE-T-LITE

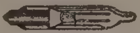


- 20 Millilumens Light Output
- Overall Length Only .176" Max.
- Extremely Low Power Consumption—15.5 ma at 1.2 VDC

Miniature incandescent lamp provides compatible light source for microminiature equipment and systems. Long-lived. Exceptional physical ruggedness. Low power consumption permits operation directly from the output of a transistor. This single ended lead lamp has .055" max. body diameter and .176" max. overall length. Tungsten wire filament. Designed for operation between 1.0 and 1.2 volts max. Lamp current, about 15.5 ma at 1.2 VDC. At full voltage, life is about 500 hours under pulsed conditions. Light output, 20.0 millilumens at 1.2 VDC. .05" by .05" long. 2 oz.

8 E 710 .... .91

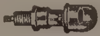
SITTLER 211007 PANEL LAMP



Accurate neon indicating lamp for test equipment and test panels. Has starting voltages of 65 with AC; 90 with DC. Requires only 1/25 watt. Has switchboard slide-type base. 2 oz.

7 E 104 .... .40

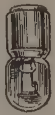
COLE-HERSEE LAMP ASSEMBLY



Dashboard lamp assembly. Socket accepts Nos. 51, 53, 55 or 57 bulbs. Requires 3/8" diameter mounting hole (stem-mounted). Assembly has single 12" lead. 2 oz.

7 E 105 .... .61

G.E. NEON GLOW LAMPS FOR INDICATOR USES



For 105-600 v. except ‡210-600 v., §DC only. Screw types have series resistor in base for 105-125 v.; others require external resistor. In Base column: Sk. means skirted; D.C., double contact; S.C., single-contact; Mid. Flange, midget flanged; Bay., bayonet; Cand., candelabra; others self-explanatory. *AC starting voltage; DC starting voltage, 40% higher. †High brightness. 2 oz.

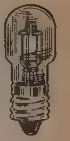
Stock No.	Mfr's Type	Watts	*AC V.	Bulb Style	Base	EACH
8 E 516	A1B	1/17	65	T-2	Wire Term.	.14
8 E 517	†A1C	1/17	95	T-2	Wire Term.	.14
8 E 518	NE-2	1/17	65	T-2	Wire Term.	.10
8 E 519	NE-2D	1/15	65	T-2	S.C. Mid. Flange	.82
8 E 520	NE-2E	1/10	65	T-2	Wire Term.	.10
8 E 521	†NE-2H	1/5	.....	T-2	Wire Term.	.12
8 E 522	†NE-2J	1/5	105	T-2	S.C. Mid. Flange	.82
8 E 523	NE-7	¼	55	T-4½	Wire Term.	.73
8 E 524	NE-16	¼	§67	T-4½	D.C. Bay. Cand.	.63
8 E 525	NE-17	¼	55	T-4½	D.C. Bay. Cand.	.90
8 E 526	NE-21	¼	55	T-4½	S.C. Bay. Cand.	.95
8 E 527	NE-30	1	60	G-10	Edison	1.20
8 E 528	NE-32	1	60	G-10	D.C. Bay. Cand.	1.20
8 E 529	NE-34	2	60	S-14	Edison	1.85
8 E 530	NE-40	3	60	S-14	Edison	2.70
8 E 531	NE-42	3	60	S-14	Sk. D.C. Bay. Cand.	2.65
8 E 532	NE-45	¼	65	T-4½	Cand. Screw	.85
8 E 533	NE-48	¼	65	T-4½	D.C. Bay. Cand.	.70
8 E 534	NE-51	1/25	65	T-3¼	S.C. Bay. Min.	.21
8 E 535	†NE-51H	1/7	....	T-3¼	S.C. Bay. Min.	.23
8 E 536	‡NE-56	1	60	S-11	Edison	1.25
8 E 537	NE-57	¼	55	T-4½	Cand. Screw	.99
8 E 538	‡NE-58	½	65	T-4½	Cand. Screw	.95
8 E 929	NE-66	1¼	65	T-4½	Cand. Screw	1.25
8 E 930	NE-84	¼	95	T-2	Special Tel. Slide	.64

G.E. NEON GLOW LAMPS FOR CIRCUIT CONTROL

Miniature bulbs that are capable of handling high pulsed currents needed to trigger silicon-controlled rectifiers. T-2 styled, have wire terminal bases. A mild radioactive additive has been introduced to reduce breakdown voltage in darkness. Tinned 1" leads. 2 oz.

Stock No.	Mfr's Type	DC Start Voltage	Design Current DC ma	EACH
7 E 950	NE-23	60-90	.3	.16
7 E 951	NE-76	68-76	.4	1.05
7 E 952	NE-77	140-180	.5	.55
7 E 953	NE-83	60-100	10.0	.20
7 E 954	NE-86	55-90	1.5	.16
7 E 955	NE-96	120-150	.5	.20
7 E 956	NE-97	110-140	.5	.20

G.E. OPTICALLY-REFINED HIGH-OUTPUT LENS-END SUBMINIATURE LAMPS

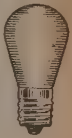

ACTUAL SIZE

- Ideal for Computer Operations Using Punch Cards or Tapes for Activating Photoconductors
- 10,000 Hours Design Life Average • 1¹⁄₁₆" Long
- Beam Covers 1/17"-Diameter Spot, 3/8" from Lamp
- 750 Footcandles Minimum Illumination Over 1/16" Spot

Rated 0.35 amp at 2.5 v., AC-DC. Midget grooved base. Overall diameter, .250". Type 253's oval beam falls within 2 parallel lines, 5/16" apart (centered on base axis) and 3/8" away on surface perpendicular to base axis. 253X's beam falls within a 5/16x3/8" rectangle. 261's beam covers 1/8" circle on base axis. 2 oz.

Stock No.	Mfr's Type	Bulb Style	EACH
7 E 957	253	TL-1¾	2.50
7 E 958	253X	TL-1¾	3.30
7 E 959	261	TL-1¾	7.20

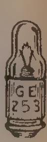
G.E. ARGON GLOW LAMPS



Emit pale blue-violet light—near-ultraviolet radiation. Clear glass. *Average life, 1000 hours; †av. life, 3000 hrs. For 110-125 volts. 2 oz.

Stock No.	Mfr's Type	Watts	Bulb Style	Base	EACH
8 E 541	*AR-3	¼	T-4½	Candelabra Screw	.85
8 E 542	†AR-1	2	S-14	Standard Edison	1.90

G.E. AND HERZOG AC-DC LAMPS

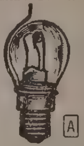


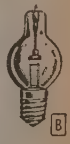
Ideal as Indicator Lamps

Rated 1500 hours, average use. Clear glass envelopes, except §white glass. All lamps are for 120 volts, except *230 v. ‡Herzog tubular lamp—others, G.E. 2 oz.

Stock No.	Type	Watts	Base	EACH
8 E 543	6S6	6	Cand. Screw	.22
8 E 544	6S6DC	6	D.C. Bay. Cand.	.33
8 E 545	3S6/5	3	Cand. Screw	.39
8 E 546	*10S6/10	10	Cand. Screw	.52
8 E 547	7C7	7	Cand. Screw	.22
8 E 548	§7C7W	7	Cand. Screw	.22
8 E 549	10C7DC	10	D.C. Bay. Cand.	.29
8 E 550	‡	4	Cand. Screw	.54

G.E. TUNGAR BULBS

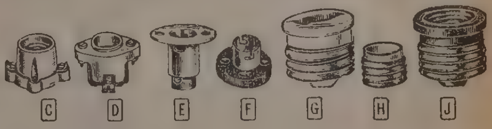

A


B

Argon and argon-mercury filled tungar bulbs for use in rectification of AC to DC current in battery chargers, DC power supplies, motion picture projectors, and for operation of magnetic chucks, motors, etc. *Type most frequently used in movie projectors. †Amps. Av. shpg. wt., 1¼ lbs.

Stock No.	Mfr's Type	Fig.	†	EACH	Stock No.	Mfr's Type	Fig.	†	EACH
7 E 592	12X825	....	2	4.80	7 E 597	189049	B	6	4.88
7 E 593	206501	A	2	4.65	7 E 598	*217283	B	15	9.38
7 E 594	20X672	....	5	5.78	7 E 599	16X897	....	2	13.05
7 E 595	189048	B	6	4.88	7 E 600	45X674	....	6	15.30

SOCKETS & REDUCERS FOR NEON, ARGON, PILOT LAMPS



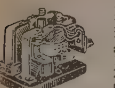
Figs. C, D, E, and F are sockets; other units are reducers. Reducer fits into socket to convert to more commonly used types of bulb bases. *Socket with hard rubber insert in metal shell. 3 oz.

Stock No.	Fig.	Description	EACH
7 E 661	C	Edison socket	.13
7 E 662	C	Miniature screw socket	.15
7 E 663	D	Candelabra screw socket	.45
7 E 664	C	Candelabra screw socket	.15
7 E 665	E*	D.C bay, candelabra socket	.36
7 E 666	F	D.C bay, candelabra socket	.87
7 E 667	F	S.C bay, candelabra socket	.81
7 E 668	G	Edison-to-Cand. reducer	.21
7 E 669	H	Candelabra-to-Min. reducer	.18
7 E 670	H	Intermediate-to-Cand. reducer	.09
7 E 671	J	Edison-to-Inter reducer	.16
7 E 672		For slide base lamps.	.102

Potter & Brumfield Relays and Accessories

On these pages, you'll find the most popular contact arrangements, ratings, terminations, enclosures, and coil voltages listed. Contact us for prices and other product information on any types not listed—you'll receive a prompt reply.

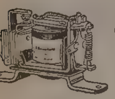
PR HEAVY-DUTY POWER RELAYS



For industrial applications. Heavy screw terminals. All U.L. Listed; and AC types also CSA Approved; except PR11AL5, neither. All have 25-amp silver contacts except PR11AL5 with 20 amp contacts. *Equipped with auxiliary SPDT 5-amp contacts. Sizes: all are 2½" wide; PR3, PR5, $2\frac{7}{32}$x2½"; PR7, 2½x$2\frac{7}{16}$"; PR11, 2½x3⅜". Av. shpg. wt., 12 oz.

Stock No.	Type	Volts	Action	EACH
75 P 846	PR3AY	6 AC	SPST	4.15
76 P 751	PR3AY	12 AC	SPST	4.15
75 P 961	PR3AY	24 AC	SPST	4.15
75 P 600	PR3AY	115 AC	SPST	4.15
75 P 652	PR3AY	230 AC	SPST	4.50
76 P 509	PR3DY	12 DC	SPST	4.15
76 P 101	PR3DY	24 DC	SPST	4.15
75 P 968	PR3DY	110 DC	SPST	4.75
75 P 847	PR5AY	6 AC	SPDT	4.35
75 P 878	PR5AY	12 AC	SPDT	4.35
75 P 962	PR5AY	24 AC	SPDT	4.35
75 P 602	PR5AY	115 AC	SPDT	4.35
75 P 966	PR5AY	230 AC	SPDT	4.75
76 P 750	PR5DY	6 DC	SPDT	4.35
76 P 510	PR5DY	12 DC	SPDT	4.35
76 P 754	PR5DY	24 DC	SPDT	4.35
75 P 969	PR5DY	110 DC	SPDT	4.95
75 P 848	PR7AY	6 AC	DPST	4.90
75 P 879	PR7AY	12 AC	DPST	4.90
75 P 963	PR7AY	24 AC	DPST	4.90
75 P 603	PR7AY	115 AC	DPST	4.90
75 P 654	PR7AY	230 AC	DPST	5.35
76 P 102	PR7DY	6 DC	DPST	4.90
76 P 511	PR7DY	12 DC	DPST	4.90
76 P 513	PR7DY	24 DC	DPST	4.90
75 P 970	PR7DY	110 DC	DPST	5.50
75 P 849	PR11AY	6 AC	DPDT	6.45
76 P 752	PR11AY	12 AC	DPDT	6.45
75 P 964	PR11AY	24 AC	DPDT	6.45
75 P 663	PR11AY	115 AC	DPDT	6.45
75 P 655	PR11AY	230 AC	DPDT	6.95
76 P 103	PR11AL5	6 AC	DPDT*	8.15
76 P 109	PR11AL5	12 AC	DPDT*	8.15
76 P 753	PR11AL5	24 AC	DPDT*	8.15
76 P 755	PR11AL5	115 AC	DPDT*	8.15
76 P 756	PR11AL5	230 AC	DPDT*	8.55
76 P 508	PR11DY	6 DC	DPDT	6.45
76 P 512	PR11DY	12 DC	DPDT	6.45
76 P 514	PR11DY	24 DC	DPDT	6.45
75 P 971	PR11DY	110 DC	DPDT	7.05

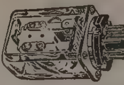
MR MEDIUM-DUTY POWER RELAYS



For general applications. Silver contacts rated 8 amps except MR3 types rated 10 amps. AC coils for 60 cycles. ST actions normally open. Size: MR3 and MR5, $1\frac{11}{16}$x$1\frac{11}{32}$x$2\frac{31}{32}$"; MR11: 2x$2\frac{3}{16}$x$2\frac{19}{32}$"; MR14: 2x$2\frac{3}{16}$x$2\frac{31}{32}$". Av. wt., 4 oz.

Stock No.	Type	Volts	Action	EACH
75 P 975	MR3A	6 AC	SPST	3.85
75 P 978	MR3A	24 AC	SPST	
75 P 665	MR3A	115 AC	SPST	
75 P 983	MR3D	6 DC	SPST	3.50
75 P 187	MR3D	12 DC	SPST	
75 P 988	MR3D	24 DC	SPST	
75 P 610	MR5A	6 AC	SPDT	3.45
76 P 757	MR5A	12 AC	SPDT	3.45
75 P 979	MR5A	24 AC	SPDT	3.45
75 P 614	MR5A	115 AC	SPDT	3.45
75 P 657	MR5A	230 AC	SPDT	3.85
75 P 618	MR5D	6 DC	SPDT	3.20
75 P 188	MR5D	12 DC	SPDT	3.20
75 P 989	MR5D	24 DC	SPDT	3.20
76 P 760	MR5D	110 DC	SPDT	3.70
75 P 612	MR11A	6 AC	DPDT	4.85
76 P 758	MR11A	12 AC	DPDT	4.85
75 P 981	MR11A	24 AC	DPDT	4.85
75 P 616	MR11A	115 AC	DPDT	4.85
75 P 659	MR11A	230 AC	DPDT	5.25
75 P 985	MR11D	6 DC	DPDT	4.60
75 P 190	MR11D	12 DC	DPDT	4.60
75 P 991	MR11D	24 DC	DPDT	4.60
76 P 761	MR11D	110 DC	DPDT	5.10
75 P 976	MR14A	6 AC	3PDT	5.80
76 P 759	MR14A	12 AC	3PDT	5.80
75 P 982	MR14A	24 AC	3PDT	5.80
75 P 972	MR14A	115 AC	3PDT	5.80
75 P 974	MR14A	230 AC	3PDT	6.20
75 P 986	MR14D	6 DC	3PDT	5.45
75 P 191	MR14D	12 DC	3PDT	5.45
75 P 992	MR14D	24 DC	3PDT	5.45
76 P 762	MR14D	110 DC	3PDT	5.95

KRP ENCLOSED RELAYS



Completely enclosed compact relays in hi-impact, transparent, plastic cases. Fully dust-proof and weather-proof for long, trouble-free operation. Types KRP5 and KRP11 plug into standard octal sockets; Type KRP14 plugs into 11-pin socket. Gold-flashed silver contacts rated 5 amps at 115 V AC, 60-cycle resistive. $1\frac{13}{32}$x$1\frac{13}{32}$x2". Av. shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
75 P 214	KRP5A	6 AC	SPDT	5.45
75 P 215	KRP5A	24 AC	SPDT	
75 P 213	KRP5A	115 AC	SPDT	
75 P 217	KRP5D	6 DC	SPDT	5.40
75 P 244	KRP5D	12 DC	SPDT	5.40
75 P 245	KRP5D	24 DC	SPDT	5.40
75 P 240	KRP5D	110 DC	SPDT	6.00
75 P 920	KRP11A	6 AC	DPDT	6.05
76 P 524	KRP11A	12 AC	DPDT	6.05
75 P 216	KRP11A	24 AC	DPDT	6.05
75 P 921	KRP11A	115 AC	DPDT	6.05
76 P 597	KRP11A	230 AC	DPDT	6.45
75 P 922	KRP11D	6 DC	DPDT	6.00
75 P 246	KRP11D	12 DC	DPDT	
75 P 247	KRP11D	24 DC	DPDT	
76 P 352	KRP11D	110 DC	DPDT	
75 P 091	KRP14A	6 AC	3PDT	7.50
76 P 525	KRP14A	12 AC	3PDT	7.50
75 P 092	KRP14A	24 AC	3PDT	7.50
75 P 093	KRP14A	115 AC	3PDT	7.50
75 P 557	KRP14A	230 AC	3PDT	7.90
75 P 094	KRP14D	6 DC	3PDT	7.45
75 P 095	KRP14D	12 DC	3PDT	7.45
75 P 096	KRP14D	24 DC	3PDT	7.45
76 P 998	KRP14D	110 DC	3PDT	8.05

KCP ENCLOSED RELAYS

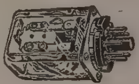
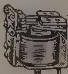


Plate circuit relays. In high-impact, weatherproof plastic cases. Fit standard octal or 11-pin socket (at right, below). 2 amp resistive, silver contacts. $1\frac{13}{32}$" sq. by 2". Wt., 5 oz.

Stock No.	Type	Ohms	Ma	Action	EACH
75 P 287	KCP5	2500	7.2	SPDT	5.90
75 P 288	KCP5	5000	5.0	SPDT	6.00
75 P 289	KCP5	10,000	3.6	SPDT	6.40
75 P 290	KCP11	2500	10.0	DPDT	6.30
75 P 291	KCP11	5000	7.2	DPDT	6.40
75 P 292	KCP11	10,000	5.0	DPDT	6.80
75 P 097	KCP14	2500	12.3	3PDT	7.75
75 P 098	KCP14	5000	8.7	3PDT	7.85
75 P 099	KCP14	10,000	6.1	3PDT	8.25

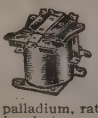
KT ANTENNA-SWITCHING RELAYS



For selecting either of two antennas or for switching single antenna from receiver to transmitter and vice-versa. Designed for RF applications: glass base insulation for minimum loss. Will switch 300-ohm line. All are DPDT. Mtg.: 6-32 stud. Silver 5-amp contacts. Size: 1¼x1⅝x$1\frac{11}{16}$". Shpg. wt., 2 oz.

Stock No.	Type	Volts	EACH
76 P 373	KT11A	6 AC	3.70
76 P 374	KT11A	115 AC	
76 P 375	KT11D	6 DC	
76 P 376	KT11D	12 DC	

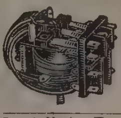
RSSD LIGHTWEIGHT RELAYS



Compact sensitive relays designed for radio-sonde, light-dimmer, and model applications. Sensitivity of 60 milliwatts. Life of over 10 million operations. Operate in 25 milliseconds and release in less than 5 milliseconds. SPDT contacts are bar palladium, rated at 2 amps. Voltage actuated. Insulation resistance of 100 megohms minimum. Mounts by means of two 4-40 tapped holes on ⅝x¾" diagonal centers. May be mounted in Type "P" craze-resistant transparent plastic case, or with KCP-KRP hold-down spring. Size: $1\frac{5}{16}$x1x$1\frac{11}{64}$". Av. shpg. wt., 3 oz.

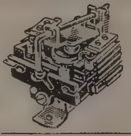
Stock No.	Coil Ohms	Ma	EACH
75 P 896	335	6 VDC*	2.60
75 P 504	1350	12 VDC*	2.75
75 P 897	2500	5.0	2.85
75 P 898	5000	3.5	3.15
75 P 899	10,000	2.5	3.60

KA GENERAL-PURPOSE RELAYS



Compact, general purpose relays for transmitters, power supply control, etc. Moisture resistant. Heavy-duty contacts rated at 5 amps. AC coils for 60 cycles. All are U.L. Listed. 6-32 mounting stud. $1\frac{11}{16}$x$1\frac{27}{32}$x$1\frac{15}{32}$". Shpg. wt., 6 oz.

Stock No.	Type	Volts	Action	EACH
75 P 158	KA5AY	6 AC	SPDT	3.20
76 P 780	KA5AY	12 AC	SPDT	3.20
75 P 161	KA5AY	24 AC	SPDT	3.20
75 P 164	KA5AY	115 AC	SPDT	3.20
75 P 153	KA5AY	230 AC	SPDT	3.60
75 P 167	KA5DY	6 DC	SPDT	3.05
75 P 170	KA5DY	12 DC	SPDT	3.05
75 P 173	KA5DY	24 DC	SPDT	3.05
76 P 782	KA5DY	110 DC	SPDT	3.65
75 P 159	KA11AY	6 AC	DPDT	3.85
76 P 781	KA11AY	12 AC	DPDT	3.85
75 P 162	KA11AY	24 AC	DPDT	3.85
75 P 165	KA11AY	115 AC	DPDT	3.85
76 P 783	KA11AY	230 AC	DPDT	4.25
75 P 168	KA11DY	6 DC	DPDT	3.40
75 P 171	KA11DY	12 DC	DPDT	3.40
75 P 174	KA11DY	24 DC	DPDT	3.40
76 P 522	KA11DY	110 DC	DPDT	4.00
75 P 160	KA14AY	6 AC	3PDT	4.25
76 P 779	KA14AY	12 AC	3PDT	4.25
75 P 163	KA14AY	24 AC	3PDT	4.25
75 P 166	KA14AY	115 AC	3PDT	4.25
75 P 152	KA14AY	230 AC	3PDT	4.40
75 P 169	KA14DY	6 DC	3PDT	3.85
75 P 172	KA14DY	12 DC	3PDT	3.85
75 P 185	KA14DY	24 DC	3PDT	3.85
76 P 523	KA14DY	110 DC	3PDT	4.45

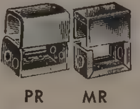


PC IMPULSE RELAYS

Compact, pulse-operated relay. For on-off or reversing applications. Pulses may be as short as 60 milliseconds at 5 cps. Gold-flashed silver contacts, rated 7.5 amps at 115 volts AC, resistive load. Size: $2\frac{1}{16}$x$2\frac{31}{32}$x$2\frac{5}{64}$". Shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
76 P 504	PC11A	6 AC	DPDT	5.50
76 P 728	PC11A	12 AC	DPDT	
76 P 502	PC11A	24 AC	DPDT	
76 P 500	PC11A	115 AC	DPDT	
76 P 726	PC11D	6 DC	DPDT	5.35
76 P 111	PC11D	12 DC	DPDT	
76 P 506	PC11D	24 DC	DPDT	
76 P 503	PC17A	24 AC	4PDT	7.60
76 P 501	PC17A	115 AC	4PDT	7.60
76 P 507	PC17D	24 DC	4PDT	7.45

RELAY CASES



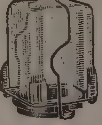
For PR Relays. Steel base with aluminum cover. 4—knockouts for ½" conduit. Mtg.: 3—No. 10 holes on 1⅞x4⅛" centers. Size, 3⅛x$5\frac{5}{16}$x3⅜". Shpg. wt., 1 lb.
76 P 777........3.00

For MR and MS Relays. Steel base with aluminum cover. 2—knockouts for ½" conduit. Mounts on pre-drilled holes. Wt., ½ lb.
76 P 778..............................1.90

Amphenol 77MIP8 Socket. For KRP and KCP relays. For all relays except KRP14 and KCP14. Octal type. Requires $1\frac{5}{32}$" hole. Mtg. centers, 1½". Wt., 5 oz.
40 H 028..............................16¢

Amphenol 77MIP11 Socket. For KRP14 and KCP14 types. Molded bakelite. Mounts in $1\frac{5}{32}$" hole; has 1½" mtg. centers. Wt., 2 oz
40 H 033 ....21¢

TYPE "P" RELAY CASES



Model 35D070. Clear, cellulose acetate. For mtg. resistors, capacitors, etc. Octal-type plug. Same case as used with KRP and KCP relays. 4 mtg. screws. Use with 9-KR-15 hold-down spring (below) for special applications. $1\frac{13}{32}$x$1\frac{13}{32}$x 2". 2oz.
75 P 558..............55¢

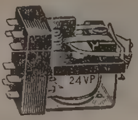
75 P 559. Type 35 D072 As above, but with 11-pin plug.......................79¢

Type 9-KR-15 Hold-Down Spring. For horizontal, inverted, and vibration-secure mounting of KCP and KRP relays. Stainless steel; two $\frac{5}{32}$" mtg. holes on $1\frac{5}{16}$" ctrs. 3 oz.
75 P 554.............**Per Box of 50** 5.00

Selected Potter & Brumfield and Sigma Relays

POTTER & BRUMFIELD RELAYS

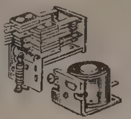
AB APPLIANCE RELAYS



Ideal for appliance applications requiring long-life and quiet operation. DPDT silver contacts rated at 10 amps. Size: 1 13/32x3x1 15/16". Snap-on and screw terminals provided. Two 8-32 mtg. holes on 1¼" ctrs. *U.L. Listed. Wt., 5 oz.

Stock No.	Type	Volts	EACH
75 P 399	AB11AY*	6 AC	5.30
75 P 418	AB11AY*	24 AC	5.30
75 P 419	AB11AY*	115 AC	5.30
75 P 448	AB11AY*	230 AC	5.70
76 P 768	AB11D	12 DC	5.20
76 P 769	AB11D	24 DC	5.20
75 P 449	AB11D	110 DC	5.70

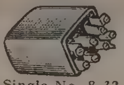
GP "PIC AND BUILD" SERIES



Units available can be combined to produce twenty different relays, each easily converted to an alternative sensitivity or switching arrangement in minutes. The 110 v. DC coil is approximately 5000 ohms. The 2500, 5000 and 10,000 ohm coils may be used in plate circuit applications and can be adjusted to operate on 13, 8, and 6.5 ma respectively. ⅛" diameter switch contacts are rated at 5 amps. Has tapped core to permit mounting with single 8-32 screw. Size, 1x1 11/16x1 25/32". Av. wt., 4 oz.

Stock No.	Mfr's Type	Description	EA.
76 P 333	GPA	6 v. AC Coil	1.65
76 P 539	GPA	12 v. AC Coil	1.65
76 P 334	GPA	24 v. AC Coil	1.65
76 P 335	GPA	115 v. AC Coil	1.65
76 P 336	GPA	230 v. AC Coil	2.10
76 P 337	GPD	6 v. DC Coil	2.10
76 P 338	GPD	12 v. DC Coil	2.10
76 P 339	GPD	24 v. DC Coil	2.10
76 P 340	GPD	110 v. DC Coil	3.15
76 P 341	GPD	2500-ohm Coil	1.50
76 P 342	GPD	10,000-ohm Coil	2.10
76 P 343	GP11	DPDT Switch	1.70
76 P 344	GP17	4PDT Switch	2.95

ABC MEDIUM-POWER RELAYS



For small motors, industrial controls, etc. Have DPDT silver contacts rated at 10 amps. Snap-on and screw terminals are supplied. Have dust covers. Size above chassis: 1 31/64x2 25/32x2 3/32". Single No. 8-32 mounting stud ⅜" long and locating tab. *U.L. Listed. Av. shpg. wt., 7 oz.

Stock No.	Mfr's Type	Descrip.	EA.
75 P 431	ABC11AY*	6 AC	6.40
75 P 432	ABC11AY*	24 AC	6.40
75 P 433	ABC11AY*	115 AC	6.40
75 P 464	ABC11AY*	230 AC	6.80
76 P 770	ABC11D	6 DC	6.30
76 P 771	ABC11D	12 DC	6.30
76 P 772	ABC11D	24 DC	6.30
75 P 465	ABC11D	110 DC	6.80

MB MINIATURE DC POWER RELAYS

Rugged telephone type relays. Designed for very high current applications. Contact arms are heavy brass with large silver contacts; solder terminals. Rated 60 amps, SPST, double break, normally open. Size: 1⅝x 27/32x1⅜". Mounting: Four No. 3-48 tapped holes on ⅜x⅜" centers. Av. shpg. wt., 5 oz.

75 P 059	MB3D	6 DC	5.40
75 P 065	MB3D	12 DC	5.50
75 P 066	MB3D	24 DC	5.50
75 P 067	MB3D	110 DC	5.90

LB-5 PLATE CIRCUIT RELAYS

Small, fast-acting circuit relays. For any circuit supplying only a few milliwatts of DC. Breakdown: 500 volts rms minimum. Silver contacts are rated 5 amps at 115 V. AC, 60-cycle resistive. All units have SPDT action. Adjusted by bending tail-spring hook. Size, 2 21/32x1¼x1⅜". For DC operation only. Shpg., wt., 5 oz.

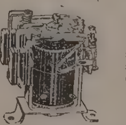
Stock No.	Ohms	Ma	EACH
75 P 625	2500	9	2.45
75 P 626	5000	6.3	2.65
75 P 774	10,000	4.5	2.85

AP RATCHET IMPULSE RELAYS

Fast acting for uses requiring on-off or reversing action on alternate impulses. Operates on impulses as short as 60 ms. Intermittent duty. Contacts are 3/16" fine silver, rated 5 amps. Coils are wound on molded bobbins. Phenolic cams, hardened steel pawl and ratchet with pin hinged armature. Tinned solder terminals. Mounting: Three 5/32" diam. holes on 3⅜x⅞" triangular centers. Size: 2 5/16x 2¼x3¾". AC types for 50-60 cycle. 12 oz.

Stock No.	Type	Volts	Action	EACH
75 P 997	AP11A	6 AC	DPDT	8.70
76 P 581	AP11A	12 AC	DPDT	8.70
75 P 995	AP11A	24 AC	DPDT	8.70
75 P 993	AP11A	115 AC	DPDT	8.70
76 P 583	AP11A	230 AC	DPDT	9.15
76 P 585	AP11D	6 DC	DPDT	8.70
75 P 999	AP11D	24 DC	DPDT	8.70
76 P 589	AP11D	110 DC	DPDT	9.35
75 P 996	AP17A	24 AC	4PDT	10.50
75 P 994	AP17A	115 AC	4PDT	10.50
76 P 588	AP17D	12 DC	4PDT	10.50
75 P 778	AP17D	24 DC	4PDT	10.50
76 P 590	AP17D	110 DC	4PDT	11.15

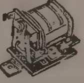
LM PLATE-CIRCUIT RELAYS



For photoelectric and similar circuits. Medium-cost, high quality, current-actuated relays. Pull-in adjustable by tail spring adjusting screw. DC coils only. Silver contacts rated 5 amps, 115 v., 60 cycles, non inductive load. Have 100 milliwatt sensitivity for single pole, 200 mw for double-pole. *SPDT; †DPDT. Sizes are: LM5, 2 5/16x1¼x 2 7/16": LM11, 2 3/16x2 5/32x2½". Av. shpg. wt., 9 oz.

Stock No.	Type	Ohms	Ma	EACH
75 P 673	LM5*	2500	6.3	3.90
75 P 674	LM5*	5000	4.5	4.10
75 P 675	LM5*	10,000	3.2	4.40
75 P 682	LM11†	2500	9.0	5.55
75 P 683	LM11†	5000	6.3	5.75
75 P 684	LM11†	10,000	4.5	6.30

A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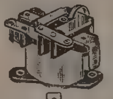

C

SENSITIVE SIGMA RELAYS

D

E

F

A **Type 4F.** A wide selection of plate circuit relays for any 20 or 50 mw. sensitivity application. Unenclosed, with screw mounting, solder terminal and coil lead connection. SPDT contacts rated at 2 amps. For smoke detection, burglar alarms, etc. 1½x1⅝x1 5/32". 3 oz.

Stock No.	Mfr's Type	Ohms	Ma. DC	EA.
76 P 126	4F-200-S/SIL	200	10.0	6.20
76 P 260	4F-500-S/SIL	500	6.5	6.20
76 P 377	4F-1000-S/SIL	1000	4.5	6.20
76 P 378	4F-2500-S/SIL	2500	3.0	6.20
76 P 379	4F-5000-S/SIL	5000	2.0	6.50
75 P 285	4F-8000-S/SIL	8000	1.6	6.75
76 P 127	4F-10000-S/SIL	10000	1.4	6.75

B **Type 41FZ AC Relay.** SPDT contacts rated: *2; †5 amps. Sensitivity, 0.06 to 0.4 VA. 2¼x1¼x1 5/16". 3 oz.

Stock No.	Mfr's Type	Volts AC	EA.
75 P 076	41FZ-10-ACG/SIL	6†	3.50
76 P 392	41FZ-35-ACS/SIL	6*	4.00
75 P 077	41FZ-200-ACG/SIL	24†	3.50
76 P 393	41FZ-500-ACS/SIL	24*	4.00
75 P 078	41FZ-5000-ACG/SIL	115*	3.65
76 P 394	41FZ-10000-ACS/SIL	115*	4.45

B **Type 41F DC Relay.** Above but for DC operation. Sensitivity, 32 to 200 mw.

Stock No.	Mfr's Type	Ohms	Ma.	EA.
76 P 395	41F-5-S/SIL	5	90	3.85
76 P 396	41F-50-S/SIL	50	30	3.85
76 P 397	41F-200-S/SIL	200	15	3.85
76 P 398	41F-1000-S/SIL	1K	6.5	3.85
76 P 399	41F-5000-S/SIL	5K	3.0	4.00
76 P 400	41F-10000-S/SIL	10K	2.0	4.25

C **Type 11F.** Small, low-cost DC relay. 50 and 200 mw, sensitivity; SPDT contacts rated 1 amp. 1 7/32x1 3/16x1 1/16" high. 3 oz.

Stock No.	Type	Ohms	Ma.	EA.
76 P 895	11F-100-G/SIL	100	22.0	1.95
77 P 681	11F-250-G/SIL	250	14.0	1.95
77 P 683	11F-550-G/SIL	550	9.5	1.95
75 P 068	11F-1000-G/SIL	1000	7.0	1.95
75 P 070	11F-1500-G/SIL	1500	5.8	1.95
75 P 069	11F-2300-G/SIL	2300	4.6	1.95
76 P 896	11F-3500-G/SIL	3500	3.7	2.10
75 P 074	11F-6000-G/SIL	6000	2.9	2.15
75 P 075	11F-9000-G/SIL	9000	2.4	2.35

D **Type 5F.** For DC or AC, with balanced armature construction. SPDT, contacts rated 1 amp. Withstand shock up to 100 G. Unenclosed, with screw mtg., solder terms. Size, 1¾x1 5/16x1 11/16". 5 oz.

76 P 380	5F-1000-S/SIL	1000	2.3	8.65
76 P 381	5F-2500-S/SIL	2500	1.4	8.65
76 P 382	5F-5000-S/SIL	5000	1.0	9.25
76 P 372	5F-8000-S/SIL	8000	0.8	10.15
76 P 383	5F-10,000-S/SIL	10,000	0.7	10.15
76 P 468	5F-16,000-S/SIL	16,000	0.55	10.95

E **Type 8 R Photorelays.** Use Cds photocells. Tubeless. For "light-no light" conditions, except *, slowly changing light—35 ft.-candles to operate, 0.4 to release. Others, 5 ft.-candles to operate, 0.1-0.5 to release. Contacts rated 5 amps. 1⅞x1½x1½". Alum. dust covers. For 120 v., 50-60 cycle AC. 4 oz.

Stock No.	Mfr's Type	Contacts	Base	EACH
76 P 108	8RC01A	SPDT	5 pin	16.50
76 P 251	8RC02A	SPDT	5-pin	17.05
76 P 252	8RS01B*	SPDT	5-pin	17.60
77 P 697	8ROCC01A	DPDT	8-pin	20.35

C **Type 11FZ.** Small AC relays for positive on-off operation. SPDT contacts rated 1 amp at 28 VDC/120 V. AC. Size, 1 7/32x1 3/16x 1 1/16". Shpg. wt., 4 oz.

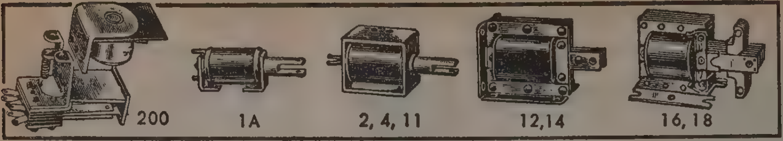
Stock No.	Mfr's Type	Coil Volts	Opt'g. Voltage	EACH
76 P 547	11FZ-25-ACS/SIL	6	4.8	2.75
77 P 684	11FZ-40-ACS/SIL	6	4.9	2.75
77 P 000	11FZ-100-ACS/SIL	12	9.0	2.75
76 P 548	11FZ-150-ACS/SIL	12	9.5	2.75
76 P 549	11FZ-550-ACS/SIL	24	18	2.75
77 P 002	11FZ-2300-ACS/SIL	48	37	2.75
77 P 003	11FZ-6000-ACS/SIL	......	60	3.05
76 P 568	11FZ-9000-ACS/SIL	120	75	3.25

F **Type 26 Miniature Relays.** DC with SPDT action and balanced armature design. Op. sensitivity, 4-20 mw. SIL indicates silver contacts rated 1.0 amp @ 28 VDC or 120 VAC; PAL, palladium, 0.5 amp. Withstand shock to 100 G (non-operating). Screw mtg. with solder term. Unenclosed. 1x1⅞x1 1/16". 3 oz.

Stock No.	Mfr's Type and Coil Ohms	Ma DC	EA.
76 P 904	26F-1000-S/SIL	2.3	8.20
76 P 905	26F-8000-CDS/SIL	0.7	10.05
75 P 284	26F-8000-CDS/PAL	0.7	10.55
76 P 906	26F-12000-G/SIL	0.9	11.35

Allied stocks an extensive line of popular electronic components for experimenters, hobbyists and builders. A complete index is given in the back of this book to help you locate items you require. Use this catalog as your guide to everything in electronics.

Guardian, Amperite Relays—Hurst Motors



- Universal Relays
- Solenoids
- Midget Stepper
- Delay Relays
- Contact Protectors

GUARDIAN RELAYS AND SOLENOIDS

UNIVERSAL "200" SERIES

Universal interchangeable parts for assembling custom relays. Listings include AC, DC, and plate coils, and switch contact assemblies. Complete relay requires one coil and one contact assembly. For additional contacts use the contact switch parts kit. Contact ratings given are at 115 v. 60 cycle AC, non-inductive load. Size: with standard contact assembly, 2⅞x1⅛x1¾″; midget assembly, 2 1/16x1⅛x1½″. Av. shpg. wt., 4 oz.

AC Coils			DC Coils		
Stock No.	Volts	EACH	Stock No.	Volts	EACH
75 P 709	6	1.75	75 P 713	6	1.90
75 P 710	12	1.75	75 P 714	12	1.90
75 P 711	24	1.75	75 P 715	24	1.90
75 P 712	115	2.05	75 P 716	32	1.90
75 P 888	230	2.70	75 P 717	110	2.50

75 P 779. Type 200-5000 D Plate Coil. 5000 ohms. 3 oz. 2.20
75 P 109. Type 200-10,000 D Plate Coil. 10,000 ohms. 3 oz 2.50

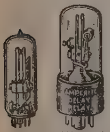
SERIES 200 SWITCH CONTACT ASSEMBLIES

Stock No.	Type	Description	EACH
75 P 707	200-1	SPDT std. contact assembly. 8 amps.	1.50
75 P 708	200-2	DPDT std. contact assembly. 8 amps.	2.00
75 P 724	200-4	DPDT std. contact assembly. 12.5 amps.	2.25
75 P 889	200-5	4PDT std. contact assembly. 8 amps.	3.50
75 P 718	200-M1	SPDT midget contact assembly. 8 amps.	1.40
75 P 719	200-M2	DPDT midget contact assembly. 8 amps.	1.75
75 P 826	200-M5	4PDT midget contact assembly. 8 amps.	2.85

Type 200-M3. Switch parts kit—adds up to 2 poles to 200-M1, 200-M2.
75 P 725. 3 oz. 1.50

Type 200-3. Switch parts kit—adds up to 2 poles to 200-1, 200-2.
75 P 730. 3 oz. 1.50

AMPERITE DELAY RELAYS



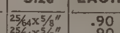
Hermetically sealed in glass envelope with octal base Heater draws 2 watts. Contacts: SPST. 3 amps at 115 v. AC, 1 amp at 220 v. AC. Voltage Breakdown: Contacts, 1000 v.; Heater-to-Contact, 1500 v., except* 250 v. and 500 v. for delays of 10 sec. or less. Ambient temperatures from −55° to +70° C. Size, Dia., 1 9/32″; Height less prongs, 2⅞″. Shpg. wt., 4 oz. *Be sure to specify type number as well as Stock No.*

Delay Seconds	Type No. Normally Open			Type No. Normally Closed		
	6.3 v.	26 v.	115 v.	6.3 v.	26 v.	115 v.
2*	6N02	26N02	115N02	6C2	26C2	115C2
3*	6N03	26N03	115N03	6C3	26C3	115C3
5*	6N05	26N05	115N05	6C5	26C5	115C5
10*	6N010	26N010	115N010	6C10	26C10	115C10
15	6N015	26N015	115N015	6C15	26C15	115C15
20	6N020	26N020	115N020	6C20	26C20	115C20
30	6N030	26N030	115N030	6C30	26C30	115C30
45	6N045	26N045	115N045	6C45	26C45	115C45
60	6N060	26N060	115N060	6C60	26C60	115C60
75	6N075	26N075	115N075	6C75	26C75	115C75
90	6N090	26N090	115N090	6C90	26C90	115C90
120	6N0120	26N0120	115N0120	6C120	26C120	115C120
150	6N0150	26N0150	115N0150	6C150	26C150	115C150
180	6N0180	26N0180	115N0180	6C180	26C180	115C180

75 PP 295. . . . . **Each 2.40**

Miniature Relays. All types listed in above table, are also available in miniature size except 150 and 180-second units. 9-pin, ¾x2⅝″. Shpg. wt., 3 oz. *Specify type no., adding letter "T" following type number. Example: 6N02T.*
75 PP 296. . . . . **Each 2.40**

I T & T CONTACT PROTECTORS



Effective protection for relay contacts controlling inductive circuits. Suppress arcing and RF transients. For loads operating up to 40 times per second, and drawing up to 600 ma operating current. Av. shpg. wt., 6 oz.

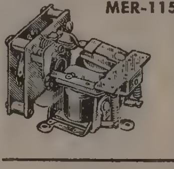
Stock No.	Mfr's Type	Max. V.	Max. ma.	Min. V.	Size	EACH
76 P 257	8A1PA1	26 AC	200	0 AC	25/64x⅝″	.90
76 P 328	8A2PS1	44 DC	250	23 DC	25/64x⅝″	.90
76 P 323	8A2PA2	52 AC	200	27 AC	25/64x¾″	1.08
76 P 258	8A3PS1	66 DC	250	45 DC	25/64x¾″	1.08
76 P 296	8A4PS1	88 DC	250	67 DC	25/64x¾″	1.08
76 P 297	8A5PS1	110 DC	250	89 DC	25/64x¾″	1.08
76 P 326	8A5PA5	130 AC	200	105 AC	25/32x15/16″	1.42
76 P 298	8A6PS1	132 DC	250	111 DC	25/64x15/16″	1.26
76 P 299	8A7PS1	154 DC	250	133 DC	25/64x15/16″	1.26
76 P 330	15A2PS1	44 DC	600	23 DC	½x⅝″	.94
76 P 348	15A3PS1	66 DC	600	45 DC	½x¾″	1.14
76 P 356	15A5PS1	110 DC	600	89 DC	½x¾″	1.14
76 P 327	15A5PA5	130 AC	400	105 AC	½x15/16″	1.58
76 P 364	15A6PS1	132 DC	500	111 DC	½x15/16″	1.38

1A1-18 SERIES INDUSTRIAL SOLENOIDS

*Intermittent-duty types for applications not requiring energization for more than 5 minutes with sufficient time between cycles for cooling. Should not be permitted to rise more than 85°C above 24°C ambient without time to cool. †Continuous duty types will not rise more than 85°C above 24°C ambient temp. when operated at rated load.

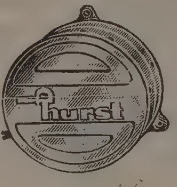
Stock No.	Type	Volts	Stroke	Lift Oz.	Size	Lbs.	EA.
75 P 890	1A1*	115AC	⅛-½″	8	1 1/16x1¾x15/16″	¼	3.00
75 P 891	1A1†	115AC	⅛-½″	3	1 1/16x1¾x15/16″	¼	3.00
75 P 154	2*	115AC	⅛-⅞″	27	1⅝x1 9/16x1 7/16″	¾	3.50
75 P 155	2†	115AC	⅛-⅞″	10½	1⅝x1 9/16x1 7/16″	¾	3.50
75 P 892	4*	115AC	⅛-1⅛″	24	1⅝x2x1 7/16″	1	4.00
75 P 893	4†	115AC	⅛-1⅛″	6	1⅝x2x1 7/16″	1	4.00
75 P 828	12*	115AC	⅛-1″	32	1 7/16x1⅝x1 3/16″	½	4.25
75 P 829	12†	115AC	⅛-1″	22	1 7/16x1⅝x1 3/16″	½	4.25
75 P 595	11*	6DC	⅛-1″	39	1 3/16x1 5/16x1 27/32″	½	3.00
76 P 318	11†	6DC	⅛-1″	21	1 3/16x1 5/16x1 27/32″	½	3.00
75 P 596	11*	24DC	⅛-1″	39	1 3/16x1 5/16x1 27/32″	½	3.00
76 P 319	11†	24DC	⅛-1″	21	1 3/16x1 5/16x1 27/32″	½	3.00
75 P 894	14*	115AC	⅛-1½″	110	2 1/16x2 7/16x1⅞″	1¼	5.75
75 P 895	14†	115AC	⅛-1½″	65	2 1/16x2 7/16x1⅞″	1¼	5.75
75 P 156	16*	115AC	⅛-¾″	96	1 7/16x1⅝x1⅛″	½	3.50
75 P 885	16†	115AC	⅛-⅝″	60	1 7/16x1⅝x1⅛″	½	3.50
76 P 320	16†	230AC	⅛-⅝″	60	1 7/16x1⅝x1⅛″	½	3.75
75 P 157	18*	115AC	⅛-1″	304	2 1/16x2½x1 13/16″	1	4.75
75 P 886	18†	115AC	⅛-1″	145	2 1/16x2½x1 13/16″	1	4.75
76 P 321	18†	230AC	⅛-1″	145	2 1/16x2½x1 13/16″	1	5.00

MER-115 MIDGET STEPPING RELAY



Electrical-reset stepping relay with 21 active positions. The relay resets from an external control on its own contacts. Contacts are rated at 1 amp at 115 v., 60 cycle, non-inductive. Stepping and reset coils 115 v., 60 cycle AC. Minimum set pulse, 50 ms; reset, 10 ms. Recommended for experimental purposes, original equipment, or replacement. Compact size, only 3¼x2 3/16x3¼″. Shpg. wt., 13 oz.
75 P 282. . . . . 15.00

HURST SYNCHRONOUS MOTORS



- CA, SM, PC-SM and EA Series
- Accurate, Cool-Running

CA Series—100 Inch-Ounce Reversible. For continuous timing applications such as alarm systems, displays, process controls, etc. Instantly reversible with SPDT switching; maintain accuracy both clockwise and counter-clockwise. Torque: 100 inch-ounce at 1 rpm. Case, 2½″ dia. x 2⅛″. Shaft, 3/16″ dia., 1″ long flattened. Power drain: 5 watts. For 95-130 v., 60 cycle AC. Shpg. wt., 18 oz.

SM Series—40-Inch-Ounce Unidirectional. Shaded pole, clockwise rotation. Instant-start at full torque of 40 inch-ounce at 1 rpm. Power drain: 5 watts. Case, 2½″ dia. x 1¾″. Shaft, 3/16″ dia. by 1″ long. For 95-130 v., 60 cycle AC. Shpg. wt., 1 lb.

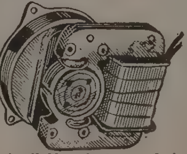
OUTPUT SPEEDS IN RPM

⅓	2½	8†	20†	33⅓	64	160	800
½*	3*	10*†	24	40	80	200	1000
1* †	4*†	12†	25	48	100	240	3600†
1½	5*	15*	30*†	50	120†	400	. . . .
2*†	6*†	16	32	60*†	150	600	. . . .

77 PP 154. CA Series. All speeds in table above available **—Specify Speed**. . . . . **Each 10.88**

77 PP 152. SM Series. *Available only in speeds indicated by asterisk* in table above*—**Specify Speed**. . . . . **Each 10.68**

PC-SM Positive Clutch Series. Basic SM motor as described above, with positive clutch and instantaneous brake. Starts in 10 milliseconds or less—stops 60 RPM shaft in 6°; 1 RPM in 1/10°. Shpg. wt., 1¼ lbs. *Available only in speeds indicated by asterisk (*) in table above*—**Specify Speed.**
77 PP 153. ½ to 60 RPM* . . . . **Each 15.53**



EA Series. Synchronous motor, with 150 inch-ounce rating at 1 RPM. Open frame, shaded pole. Completely accurate, cool-running timing motor with clockwise rotation. Case measures 1⅝x2⅝x2½″. *Has 3/32x1″ output shaft. Shpg. wt., 1¼ lbs.

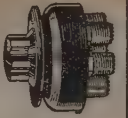
1-120 RPM†.
77 PP 155. . . . . **Each 7.75**

3600 RPM†.
77 PP 156. . . . . **Each 5.20**

Available only in speeds indicated by dagger (†) in table above—**Specify Speed.**

Coaxial Relays, Cleaning Tools, and Counters

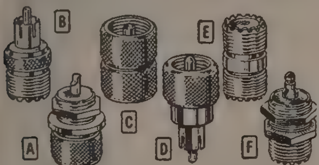
NEW! DOW-KEY MANUAL COAXIAL ANTENNA SWITCHES



DK78 Series. Offer excellent RF characteristics. Have 3/16″ diameter, silver contacts in shielded RF cavity. Rated 1 kw; impedance, 50 ohms. VSWR is less than 1.05:1 at 150 mc. Isolation, greater than 50 db at 500 mc and 8 db at 30 mc. Silver UHF connectors. Require 29/64″ mtg. hole, 5/32″ hole for key. *Indicates transfer-crossover switch. With mounting nut, dial plate, knob. Black anodized finish. 3″ diameter, 1⅛″ deep. Wt., 10 oz.

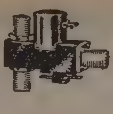
75 P 900. DK78-2. SPDT. 12.75
75 P 901. DK78-3. SP3T. 12.75
75 P 902. DK78-6. SP6T. 15.75
75 P 904. DK78-T. *T-C. 15.75

DOW-KEY COAXIAL CONNECTORS



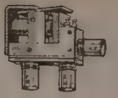
A **75 P 905.** DK-201. Male UHF panel type. Single ⅝″ hole mounting 2 oz. 1.25
B **75 P 907.** DK-210. Female UHF to male phono type connector. Wt., 2 oz. . . 1.25
C **75 P 946.** DKF-2. Double male UHF locking type connector. Wt., 2 oz. . . 95¢
D **75 P 908.** DK-211. Male UHF to male phono type connector. Wt., 2 oz. . . 1.25
E **75 P 906.** DK-202. Double female UHF type connector. Wt., 2 oz. . . . . .85¢
F **89 P 309.** DK60-P. Female UHF type. Single ⅝″ hole panel mounting. 2 oz. 70¢

DOW-KEY COAXIAL ANTENNA RELAYS



DK60-G2C

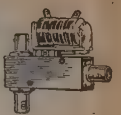
DK2-60



DK61-BNC

DK-71

DK-72



DK-77

DK-60 Series. Heavy-duty SPDT 50-ohm coaxial relays. Handle 1 kw. VSWR less than 1.15:1, 0-500 mc. DK60-G and DK60-G2C have patented automatic receiver protecting connector for greater than 100 db isolation between receiver and transmitter lines, from 0 to 500 mc. DK60-2C and DK60-G2C include external DPDT contacts for switching auxiliary circuits (rated 5 amps at 110 VAC). 2¾x3¾x1⅛″. 9 oz.

Stock No.	Mfr's Type	Con.	Coil Volts	EACH
76 P 114	DK60	UHF	12 DC	12.45
76 P 115	DK60	UHF	115 AC	12.45
75 P 953	DK60-G	UHF	12 DC	13.70
75 P 955	DK60-G	UHF	115 AC	13.70
76 P 118	DK60-G2C	UHF	12 DC	15.65
76 P 119	DK60-G2C	UHF	115 AC	15.65
76 P 116	DK60-2C	UHF	12 DC	14.35
76 P 117	DK60 2C	UHF	115 AC	14.35

DK2-60. DPDT coaxial unit for switching two lines simultaneously. Frequency range is 0-500 mc; power rating, 1 kw. VSWR, less than 1.15:1 from 0 to 500 mc; isolation greater than 30 db at 500 mc; loss is less than 0.03 db at 30 mc. Long life—over 1 million operations. 50 ohms. 2¾x3¾x1¾″. Shpg. wt., 12 oz.

76 P 149	DK2-60	UHF	115 AC	19.00

DK2-60B. Similar to DK2-60, above, but internally connected in the de-energized position. Shpg. wt., 12 oz.

75 P 956	DK2-60B	UHF	115 AC	19.00

DK61-BNC. High-performance SPDT type. Range, 0-1000 mc. VSWR, 1.1:1 at 400 mc. Crosstalk, —40 db at 400 mc. Capacity, 100 watts. Plated per MIL-QQS-365, QQP-416. Life, over 1 million operations. 1¼x⅝x1 19/32″. Shpg. wt., 4 oz.

76 P 148	DK61-BNC	BNC	28 DC	26.50

DK-71. SP6T weatherproof type for remote switching of RF sources. Common connector may be switched directly to any one of six positions. Range, 0-500 mc; rating, 1 kw; VSWR, 1.1:1 at 100 mc; isolation, 40 db at 100 mc; life, greater than 1 million operations. 50-ohms impedance. 5¾″ dia., 2¾″ deep. Shpg. wt., 3 lbs.

Stock No.	Mfr's Type	Con.	Coil Volts	EACH
75 P 957	DK71	UHF	115 AC	49.50
75 P 958	DK71	UHF	24 AC	
75 P 959	DK71	UHF	12 DC	

DK-72. SP3T weatherproof type. Same as Type DK-71, above, except has only 3 positions. 4x3½x3⅝″. 1½ lbs.

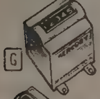
75 P 960	DK72	UHF	115 AC	22.95
75 P 965	DK72	UHF	24 AC	
75 P 967	DK72	UHF	12 DC	

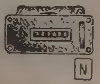
DK-77 Series. Miniature 50-ohm SPDT types with phono or BNC connectors. Frequency range, DC to 1000 mc; power rating up to 250 watts; VSWR, less than 1.1:1 at 500 mc; isolation, greater than 30 db at 500 mc; insertion loss, less than .03 db at 500 mc; life, over 1 million operations. Models with 1C in Type no. have SPDT auxiliary switches rated 5 amps at 110 VAC resistive load. Shpg. wt., 3½ oz.

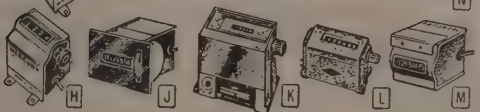
Stock No.	Mfr's Type	Con.	Coil Volts	EACH
75 P 910	DK77	BNC	12 DC	7.50
75 P 911	DK77	BNC	28 DC	
75 P 912	DK77	Phono	12 DC	
75 P 913	DK77	Phono	28 DC	
75 P 914	DK77-1C	BNC	12 DC	8.55
75 P 919	DK77-1C	BNC	28 DC	
75 P 923	DK77-1C	Phono	12 DC	
75 P 924	DK77-1C	Phono	28 DC	

ITT GENERAL CONTROLS CO.

ELECTRICAL COUNTERS







High-quality electric counters. For 60-cycle operation. All are 120 v., except *24 v. Reset except †non-reset.

Prefix CE-40. Small counters for coin-operated devices and light to moderate-duty industrial applications. Minimum make time 0.04 sec., break time 0.06 sec. Rated at 600 CPM. Enclosed in tamper-proof case. Reset units count to 4 digits, non-reset to 5. 1 lb.

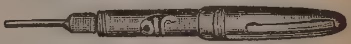
Prefix CE-600. Small counters for general industrial purposes. Have minimum make and break time of 0.03 sec. Enclosed in dust-resistant housing. Rated at 1000 CPM, 50-million count life. Have continuous-duty coils. 6 digits. 1 lb.

Prefix CE-800. Heavy-duty counter. For use on drill and punch presses, etc. Min. make and break duration, 0.03 sec. 1000 CPM. Tamper-proof aluminum case. 6 digits. Continuous duty coils. 5 lbs.

Stock No.	Mfr's Type CE-	Fig.	Size	Mount	Mounting Centers	EACH
65 F 910	40AN502†	G	2 31/64x1 23/32x2¼″	Base	1⅛x1 15/16″	7.75
65 F 909	40BN502†	K	1 9/16x1 23/32x2 27/64″	Panel	13/16x4 1/64″	8.35
65 F 901	40BS401	L*	1 15/16x2 13/16x2 27/64″	Panel	1 9/16x2 7/16″	15.95
65 F 902	40BS402	L	1 15/16x2 13/16x2 27/64″	Panel	1 9/16x2 7/16″	15.95
65 F 903	40AS402	H	2 31/64x1 23/32x2¼″	Base	1⅛x1 15/16″	15.25
65 F 905	600AS602	J	2½x1 13/64x3½″	Base	3 15/64x1 23/64″	22.40
65 F 907	600BS602	N	2 13/16x1⅞x4 7/16″	Panel	4 1/16x1½″	24.00
65 F 908	800CS602	M	4 11/16x3⅛x5⅝″	Base	5¼x2½″	43.00

JONARD RELAY TOOLS

POCKET CONTACT BURNISHER



P-4 Burnisher. For cleaning and burnishing relay contacts. Replaceable steel blades. Leaves no residue. Chrome-plated barrel with pocket clip, aluminum chuck. Plastic cap permits use with live contacts. ⅜x5½″. With 12 RB4 ¼x1¼″ blades. 2 oz.

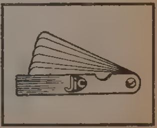
77 P 355. . . . . .3.90
77 P 356. P-6 With 12 RB6 (3/16x1¾″ blades.) 2 oz. 3.90
77 P 357. RB4 Replacement Blades. . . . . .Pkg. of 25 for 3.75
77 P 358. RB6 Replacement Blades. . . . . .Pkg. of 25 for 3.75

DIAMOND-FACED RELAY CLEANERS

Diamond-impregnated spatulas specifically designed for cleaning relay contacts. Require only a gentle, even pressure to do a thorough cleaning job—contact gap is left unchanged. Types 200 and 300 have 0.5 mm diamond grain; have two diamond faces. Type 400 has 0.25 mm diamond grain. Type 234 is set of one each of the three types, in plastic case. 6″ long. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description	EACH
77 P 328	200	For industrial relays	4.95
77 P 329	300	For intermediate relays	4.95
77 P 330	400	For sensitive relays	4.95
77 P 285	234	Set of one ea.: 200, 300, 400	14.85

RELAY CONTACT THICKNESS GAUGE

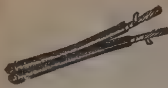


Type 720N. Extremely useful gauge for measuring thickness of contact spacing on relays and switches. 26 swing-out blades measure thicknesses from .0015″ to .025″. 3″ long, ½″ wide case protects blades when not in use. 3 oz.

77 P 341. . . . . .3.90

knight® Wire and Cable

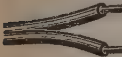
POSJ AND POT LAMP CORD



Two parallel No. 18 stranded copper wires. Jackets are polarity ribbed. U.L. Listed. Available in standard 25′ and 100′ lengths—specify length. Shpg. wt., per 100′, 3 lbs.

Type	Jacket	Color	U.L. Type	25′ Spool		100′ Spool	
				Stock No.	EA.	Stock No.	EA.
POSJ	Rubber	Brown	SP-1	47 T 983	.69	47 T 984	2.65
POSJ	Rubber	Black	SP-1	47 T 998	.69	47 T 999	2.65
POT	Vinyl	Brown	SPT-1	47 T 988	.65	47 T 989	1.98
POT	Vinyl	Black	SPT-1	47 T 978	.65	47 T 979	1.98
POT	Vinyl	Gray	SPT-1	48 T 275	.65	48 T 289	1.98
POT	Vinyl	White	SPT-1	47 T 993	.65	47 T 994	1.98

"JUKE BOX" SPEAKER CABLE



Two parallel conductors of No. 24, 7x32 stranded wire—1 tinned, 1 bare. Vinyl inner insulation and vinyl jacket. O.D., .058x.115″. In choice of gray or clear—specify color desired. Shpg. wt., per 100′, 10 oz.

49 TT 905. 25-ft. Spool	.42	49 TT 906. 50-ft. Spool	.66
49 TT 912. 100-ft. Spool	.89	49 TT 913. 500-ft. Spool	3.92
49 TT 919. 1000-ft. Spool	7.75		

THERMOPLASTIC HOOK-UP WIRE

Type MW heavy-duty, thermoplastic-insulated hook-up wire. Rated 1000 volts rms at 80°C. Tinned copper conductor with polyvinylchlori insulatedion; wall thickness, .016″. In choice of brown, red, orange, yellow, green, white, black and blue—specify color. Av. shpg. wt., 25′ spool, 6 oz.; 100′ spool, 1 lb.

Size	Strands	Nom. O.D.	25′ Spool		100′ Spool	
			Stock No.	EACH	Stock No.	EACH
#22	7x30	.056″	49 TT 723	27¢	49 TT 724	.79
#22	solid	.051″	....	......	49 TT 735	.49
#20	10x30	.064″	49 TT 726	29¢	49 TT 727	.89
#20	solid	.058″	....	......	49 TT 737	.79
#18	16x30	.075″	49 TT 729	37¢	49 TT 730	1.19
#16	26x30	.091″	49 TT 732	46¢	49 TT 733	1.55

ASSORTED HOOK-UP WIRE

Flexible stranded copper wire—some tinned and some untinned. In assorted gauges, colors and types of insulation. A host of uses in chassis and subchassis wiring of radio and TV receivers, transmitters, high-fidelity and public-address equipment, kit building, etc. Resistant to heat and moisture. Offers high conductivity with negligible loss.

49 T 344. Six 25-ft. Coils. Shpg. wt., 1 lb. . . . Per Pkg.	79¢
49 T 345. Five 100-ft. Coils. Shpg. wt., 2½ lbs. . . . Per Pkg.	2.25

FLEXIBLE TEST-PROD WIRE

Limp, rubber-covered wire ideal for test leads. Designed to withstand extremely high voltages; puncture test voltage, 20,000 volts. Insulation thickness, .046″. No. 20 conductor is 41x36 stranded. O.D., .137″. Choice of red or black in 100′ spools only. Wt., 2 lbs.

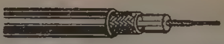
49 T 474. Red. 100-ft. Spool . . . Each	1.98
49 T 475. Black. 100-ft. Spool . . . Each	1.98

RUBBER-JACKETED SERVICE CORD

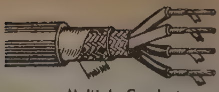
Quality-made, rubber-sheathed service cord. Stranded copper conductors have rubber insulation with black rubber jackets. Excellent for a wide variety of applications, including household appliances, garden and power tools, or wherever rough-usage extension cords are required. All types are U.L. Listed and have maximum voltage ratings of 300 volts except types S #14 and S #10, 600 volts. Current capacity in amps: SV #18 and SJ #18, 5 amps; SJ #16 (2 and 3 cond. types), 7 amps; S #14, 15 amps; S #10, 25 amps. Available in standard 25′, 50′ and 100′ spools only—specify spool length desired. Av. shpg. wt., 100′ spool, 3 lbs.

U.L. Type	Size	No. Cond.	O.D.	25′ Spool		50′ Spool		100′ Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
SV	#18	2	.250″	48 T 336	1.18	48 T 337	2.10	48 T 349	3.98
SJ	#16	2	.340″	48 T 353	1.69	48 T 354	2.97	48 T 361	5.67
SJ	#18	3	.345″	48 T 380	1.97	48 T 381	3.58	48 T 382	6.96
SJ	#16	3	.375″	48 T 384	2.53	48 T 438	4.53	48 T 450	8.71
S	#14	3	.560″	48 T 628	5.75	48 T 629	10.50	48 T 630	19.00
S	#10	3	.690″	48 T 631	8.44	48 T 632	15.90	48 T 633	29.25

MICROPHONE CABLE



Single-Conductor



Multiple-Conductor

Plastic and rubber-jacketed mike cable with tinned, stranded copper conductors. All have tinned copper braided shield except *tinned copper spiral shield. Plastic-jacketed types have plastic insulation and rubber-jacketed types, rubber insulation. Multiple-conductor types are color coded. Single-conductor type is especially suitable for lapel or lavalier mikes; 2-conductor types, for low-impedance mikes; 6-conductor type, for power supply cable. Av. shpg. wt.: 25′ spool, 1 lb.; 100′ spool, 6 lbs.

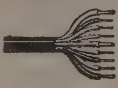
PLASTIC JACKET

No. Cond.	Size	O.D.	WV DC	25′ Spool		50′ Spool		100′ Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
1*	#22	.135″	2500	49 T 420	.79	49 T 421	1.41	49 T 422	2.59
2	#22	.231″	600	49 T 423	1.69	49 T 424	2.40	49 T 425	4.49

RUBBER JACKET

No. Cond.	Size	O.D.	WV DC	100′ Spool		250′ Spool		500′ Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2	#20	.268″	600	49 T 427	6.99	49 T 428	16.35	49 T 429	29.99
6	#20	.349″	600	49 T 430	13.90	49 T 431	33.50	....	......

MULTIPLE-CONDUCTOR INTERCOM CABLE (Not Paired)



Quality plastic-jacketed cable with multiple, non-paired, plastic insulated conductors. Excellent for permanent installation of speakers, control and intercom circuits, and other applications requiring a highly durable, lightweight cable. Conductors are of No. 22 stranded copper wire; all are color-coded.

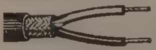
No. Cond.	O.D.	Shpg. Wt. 100 ft.	25′ Spool		50′ Spool		100′ Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
3	.150″	2 lbs.	49 T 850	.79	49 T 851	1.36	49 T 458	2.10
4	.168″	2¼ lbs.	49 T 852	1.04	49 T 853	1.92	49 T 854	2.87
5	.180″	2½ lbs.	49 T 855	1.12	49 T 856	2.08	49 T 857	3.20
6	.190″	3 lbs.	49 T 858	1.50	49 T 859	2.57	49 T 860	4.95
8	.195″	3¼ lbs.	49 T 861	1.60	49 T 862	3.04	49 T 461	5.98

PAIRED UNSHIELDED INTERCOM CABLE (JACKETED)

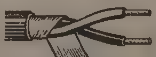
For intercom and telephone wiring. Color-coded conductors are No. 22 solid copper, cabled in twisted pairs with high-dielectric plastic jacket overall.

No. Cond.	O.D.	Shpg. Wt. 100′	25′ Spool		50′ Spool		100′ Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2 (1 pr.)	.150″	1½ lbs.	49 T 863	.58	49 T 864	.80	49 T 453	1.49
6 (3 pr.)	.240″	3½ lbs.	49 T 865	1.14	49 T 866	2.10	49 T 867	3.66
8 (4 pr.)	.255″	4 lbs.	49 T 868	1.54	49 T 869	2.64	48 T 772	5.20

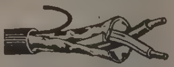
SHIELDED PLASTIC INTERCOM CABLE



A



B



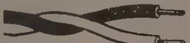
C

Two-conductor shielded cable for intercoms, sound and P.A. systems. All have plastic jackets with color-coded conductors. Fig. A indicates tinned copper shield; Fig. B, spiral-type tinned copper shield; Fig. C, aluminum-wrapped shield with ground wire.

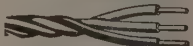
Size	O.D.	Fig.	Shpg. Wt. 100′	25′ Spool		50′ Spool		100′ Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
#22	.170″	A	4 lbs.	49 T 876	1.68	49 T 877	3.05	49 T 878	5.20
#22	.167″	C	1½ lbs.	49 T 879	1.28	49 T 880	2.01	49 T 442	2.95
#20	.184″	C	3 lbs.	49 T 881	1.44	49 T 467	2.10	49 T 468	3.05
#20	.195″	B	3½ lbs.	49 T 882	1.44	49 T 438	2.25	49 T 440	3.10
#22	.170″	B	3 lbs.	49 T 883	1.04	49 T 432	1.70	49 T 433	2.99

PAIRED UNSHIELDED INTERCOM CABLE (UNJACKETED)

D



E



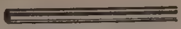
For speakers, alarm systems and other electronic applications. Conductors are No. 22 solid copper, plastic insulated and individually color-coded. Av. shpg. wt., 100′ spool, 1¼ lbs.

No. Cond.	O.D.	Fig.	25′ Spool		50′ Spool		100′ Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2 (1 pair)	.112″	D	49 T 870	.54	49 T 871	.64	49 T 455	1.10
3 (twisted)	.132″	E	49 T 872	.77	49 T 873	1.12	49 T 874	2.07

Knight Wire and Cable Is Sold Only at Allied

knight® Wire and Cable

TINNED BUS-BAR WIRE



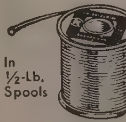
Finest quality, soft-drawn solid copper wire. Tinned for easy soldering.

Size	O.D.	100′ Spool			1000′ Spool		
		Stock No.	Wt.	EACH	Stock No.	Wt.	EACH
#22	.025″	49 T 168	5 oz.	45¢	49 T 159	2 lbs.	3.33
#20	.032″	49 T 173	6 oz.	50¢	49 T 161	3½ lbs.	3.80

PLAIN ENAMELED MAGNET WIRE

Enamel-insulated, soft-drawn copper wire. Especially manufactured for all types of coil winding applications—transformers, RF coils, chokes, etc. Available in ½-lb. spools only. Av. shpg. wt., 14 oz.

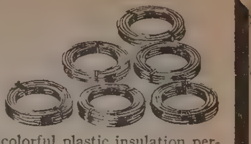
Size	Feet	Stock No.	PER SPOOL
#24	402	49 T 884	80¢
#22	253	49 T 885	79¢



In ½-Lb. Spools

Many Uses in Coil Winding

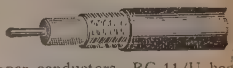
ASSORTED AUTOMOTIVE PRIMARY WIRE



Handy assortment of primary wire for the auto and boating enthusiast. Package includes six 25-foot coils of stranded No. 14 and No. 16 gauge wire in a variety of colors. Tough, colorful plastic insulation permits quick identification of wiring systems and adds distinction to engine appearance—resists flame, oil, gasoline, grease, acid, fungus, moisture absorption, and most solvents. Has high temperature stability; remains flexible at low temperatures. Automotive wiring applications include: horn button, radio, headlights, tail lights, stop lights, gas gauges or gas gauge to coil, cigar lighter, heater, starter to generator or switch. Shpg. wt., 1½ lbs.

49 T 875. Six 25-ft. Coils....................Per Pkg. **2.49**

STANDARD RG HIGH-FREQUENCY COAXIAL CABLE



Rugged, high-quality coaxial cable for RF transmission line, antenna lead-in, test equipment leads, and similar communications uses. All have an efficient, low-loss, polyethylene inner dielectric. Outer plastic jackets are virtually impervious to acids, alkalis, oils, chemicals, humidity and weathering effects—suitable for direct burial applications. RG-8/U and RG-11/U types are for series N, C, HN and UHF connectors; RG-58/U and RG-59/U are for series TNC, BNC, BN, C, UHF, N and push-on connectors. RG-8/U and RG-58/U have bare copper conductors. RG-11/U has tinned copper conductor. RG-59/U has bare copperweld conductor.

Type	Imp. Ohms	Conductor	O.D.	Mmf Per Ft.	Lbs. Per 100′	25′ Spool		50′ Spool		100′ Spool		500′ Spool	
						Stock No.	EA.	Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
RG-8/U	50	13 (7x21)	.405″	29.5	10½	49 T 886	3.20	49 T 887	5.45	49 T 300	9.95	49 T 301	48.95
RG-11/U	75	18 (7x26)	.405″	20.5	10	49 T 888	2.89	49 T 889	5.29	49 T 303	9.50	49 T 304	45.20
RG-58/U	53.5	20 solid	.195″	28.5	3	49 T 894	1.20	49 T 897	2.16	49 T 307	3.95	49 T 308	16.40
RG-59/U	73	22 solid	.242″	21.0	4	49 T 848	1.48	49 T 849	2.72	49 T 310	4.58	49 T 311	18.50

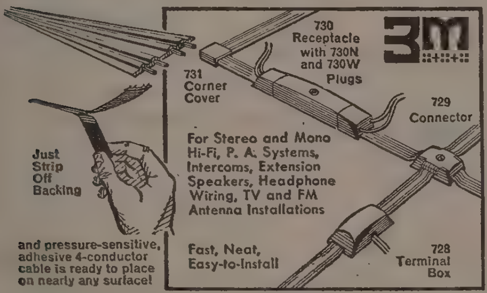
LOW-LOSS FOAM-TYPE RG COAXIAL CABLE

Similar to above, but extremely low loss. Features cellular polyethylene inner dielectric which reduces signal attenuation by as much as 35% over standard RG coax. Ideal for use in community TV installations, and many other UHF and VHF transmitting and receiving applications. Type RG-8/U uses series N, C, HN and UHF-type connectors; others use series TNC, BNC, BN, C, UHF, N and push-on connectors. All have bare copper conductor except RG-59/U, which has bare copperweld conductor.

Type	Imp. Ohms	Conductor	O.D.	Mmf Per Ft.	Lbs. Per 100′	50′ Spool		100′ Spool		500′ Spool		1000′ Spool	
						Stock No.	EA.	Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
RG-8/U	50	13 (7x21)	.405″	26.0	10½	49 T 354	5.60	49 T 342	10.95	49 T 343	49.25	49 T 346	98.75
RG-58/U	53.5	20 solid	.195″	28.5	3	49 T 357	2.65	49 T 347	5.45	49 T 348	19.95	49 T 349	39.95
RG-59/U	73	22 solid	.242″	21.0	4	49 T 363	2.79	49 T 352	4.85	49 T 353	19.30	....	....

ALL NEW . . . from MINNESOTA MINING

SCOTCHFLEX ADHESIVE AUDIO FLAT-CABLE SYSTEM

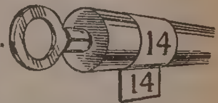


730 Receptacle with 730N and 730W Plugs
3M
731 Corner Cover
729 Connector
Just Strip Off Backing
For Stereo and Mono Hi-Fi, P. A. Systems, Intercoms, Extension Speakers, Headphone Wiring, TV and FM Antenna Installations
and pressure-sensitive, adhesive 4-conductor cable is ready to place on nearly any surface!
Fast, Neat, Easy-to-Install
728 Terminal Box

Now you can hook up your audio system fast, easily, neatly and at low cost. Type 800 flat cable has two paired, stranded conductors—adhesive back sticks firmly to wall, molding, ceiling, floor or virtually any other surface. Type 729 has U terminals which pierce insulation for perfect connections. Type 728 houses two sets of screw terminals. Use of E14 roller assures complete contact of adhesive to supporting surface. Ivory-colored cable with handsome gray plastic accessory units blend into any decor.

Stock No.	Type	Description	Shpg. Wt.	Quantity	NET
49 T 966	800	4-cond. cable	1½ lbs.	100-ft. roll	9.45
49 T 967	728	Terminals	7 oz.	box of 10	13.90
49 T 968	729	Connectors	3 oz.	box of 10	8.40
49 T 969	730	Receptacles	10 oz.	box of 10	9.60
49 T 970	730W	Wide plugs	3 oz.	box of 10	4.00
49 T 971	730N	Narrow plugs	3 oz.	box of 10	4.00
49 T 964	731	Corner covers	2 oz.	box of 10	1.20
49 T 965	E14	Hand roller	10 oz	box of one	1.89

BRADY WIRE MARKERS



Self-sticking, preprinted ½″ long markers for permanent 'round-the-wire identification of wires and cables under 0.150″. Provide positive coding of circuits, panels, assemblies—speed hook-up and repair, eliminate tracing and expensive errors. Adhesive sticks to nearly any kind of insulation, even teflon. Resist heat (to 250°F), oil, major solvents. Fade-proof inks. Super-thin for confined areas. Supplied in cards of consecutive numbers or letters. Shpg. wt., per card, 1 oz.

Stock No.	Description	Markers per Card	PER CARD
48 T 396	Consecutive numbers 0-49	150	30c
48 T 397	Consecutive numbers 50-99	150	
48 T 398	Consecutive numbers 100-132	99	
48 T 399	Consecutive numbers 133-165	99	
48 T 400	Consecutive numbers 166-198	99	
47 T 395	Consecutive letters A-Z	26	23¢

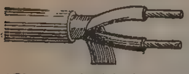
TALK-A-PHONE INTERCOM CABLE

For interconnecting Talk-A-Phone intercom systems. To determine amount of cable needed, measure from 1st to 2nd station only, 2nd to 3rd only, etc. Add for total. Do not connect last station to 1st. Type 6303 is shielded. Types 6226, 6214, 6202, 6902, 6210 and 6206 have paired conductors.

No. Cond.	Mfr's Type	Lbs. Per 100′	50′ Roll		100′ Roll		200′ Roll	
			Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
3	5303	3	48 T 061	1.79	48 T 059	3.26	48 T 060	6.05
3	6303	4	48 T 062	2.38	48 T 065	4.34	48 T 066	8.03
6	5506	3½	48 T 063	4.44	48 T 067	8.16	48 T 068	15.20
26	6226	11	48 T 480	15.80	48 T 481	29.15	48 T 482	54.00
14	6214	4	48 T 027	8.10	48 T 075	14.95	48 T 174	27.80
13	6202	4	48 T 483	2.13	48 T 484	3.88	48 T 485	7.18
11	9911	12	48 T 064	8.10	48 T 073	14.59	48 T 074	27.80
2	6902	3	48 T 346	1.29	48 T 358	2.34	48 T 375	4.33
10	6210	4	48 T 568	8.10	48 T 269	14.83	48 T 575	27.80
6	6206	3½	48 T 580	4.79	48 T 587	8.77	48 T 594	16.70

Belden Sound System and Intercom Cable

TWO AND THREE-CONDUCTOR SHIELDED CABLE



Variety of gauges, insulations, shieldings and jackets for PA and intercom use. All types listed in table below have tinned copper conductors. *Polyethylene insulated conductors, aluminum "Mylar" wrapped shield, stranded tinned copper ground wire. #Chrome vinyl jacket. §Spiral-wrapped tinned shield. ‡Braided tinned shield as jacket. †Vinyl insulated conductors. 8209 has cotton wrap, braid. No 22 stranded conductors: 8735, 8761, 8771 (7x30). No. 20 stranded: 8762, 8772 (7x28). No. 18 stranded: 8760, 8770 (16x30); 8789, (7x26) No 18 solid: 8799 No 22 solid: 8731 No 16 stranded: 8779, 8780 (19x29) **Be certain to specify both Stock No. and Mfr's Type.** Av. shpg. wt., 100 ft., 3½ lbs.

Mfr's Type	Cond.	O. D.	100′ Spool		500′ Spool	
			No.	EACH	No.	EACH
8208	2	255″	47 T 555	5.83	47 TX 315	24.99
8209	2	258″			47 T 556	27.20
8731*#§	3	178″			47 T 559	13.97
8735†‡	3	199″	47 T 563	4.21	47 T 565	18.77
8760*#	2	222″			47 TX 398	17.25
8761*#	2	167″			47 T 568	11.76
8762*#	2	184″	47 T 575	3.38	47 T 577	14.70
8770*#	3	236″			47 TX 401	23.16
8771*#	3	175″			47 T 442	14.70
8772*#	3	200″			47 T 489	18.38
8779†‡	2	225″			47 TX 428	24.26
8780†#§	2	266″			47 TX 430	26.46
8789†‡	2	205″			47 T 592	18.96
8790†#§	2	231″	47 T 572	4.36	47 T 573	19.60

TWO AND THREE-CONDUCTOR UNSHIELDED CABLE

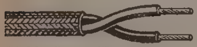
High-quality cable for PA and intercom installations, speaker extensions, alarm systems, etc. High insulation resistance and precision cabling assure low-noise circuits free from cross-talk and interference. Have vinyl insulated, untinned conductors, except † and § which are tinned. All have outer jackets of chrome vinyl, except 8794 which has rose-gray vinyl jacket and 8481, 8482, 8460, and 8470 which are twisted pair types without jacket. 8483 is cabled and without jacket. *Solid copper conductors. †Stranded (7x26). ‡Stranded (10x30). §Stranded (19x29). **Be certain to specify both Stock No. and Mfr's Type when ordering.**

Mfr's Type	Cond. & AWG	O. D.	Lbs., 100 ft.	Mfr's Type	Cond. & AWG	O. D.	Lbs., 100 ft.
8481*	2-22	112″	1	8487*	3 19	180″	2½
8794*	3-22	168″	1½	8460†	2-18	175″	1
8205‡	2-20	190″	1½	8461†	2-18	226″	3
8482*	2-19	115″	1½	8470§	2-16	195″	2¾
8483*	3-19	132″	1¼	8471§	2-16	256″	4
8486*	2-19	162″	2	8473§	2-14	332″	6

COST PER SPOOL

Mfr's Type	100-FT. SPOOL		500-FT. SPOOL	
	Stock No.	EACH	Stock No.	EACH
8481	47 T 612	1.47	47 T 614	4.85
8794			47 T 642	9.19
8205	47 T 597	2.45	47 T 600	9.56
8482	47 T 616	1.76	47 T 631	6.47
8483	47 T 633	2.20	48 T 563	9.11
8486			47 T 636	8.31
8487			47 T 638	11.32
8460	47 T 602	2.45	47 T 603	9.41
8461	47 T 610	3.38	47 TX 434	13.23
8470			47 TX 436	11.76
8471			47 T 611	16.76
8473			47 TX 327	27.20

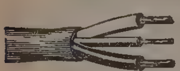
TWO-CONDUCTOR SHIELDED CABLE



For speaker systems, intercoms All have vinyl plastic insulation and jackets, except 8758 which has copper braid jacket. Tinned conductors *Tinned copper, spiral-wrapped shield. Black/Red coding. Shpg. wt., per 100 ft. of cable, 2½ lbs.

Mfr's Type	AWG Stranding	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8737*	22 (7x30)	170″	47 T 644	3.33	47 TX 447	13.23
8758	20 (7x28)	165″	47 T 647	3.09	47 T 648	13.62
8759*	20 (7x28)	195″	47 T 649	3.68	47 T 666	16.17
8739*	22 (Solid)	160″	47 T 645	2.89	47 TX 449	11.76

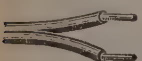
VINYL "JUKE BOX" CABLE



Stranded, color-coded, tinned copper conductors 8783: 1—#20, 2—#16 8786 (oval): 4—#24 twisted under shield, 2—#22 twisted, unshielded 8787: 2 groups of 4—#24 twisted under separate shields; 2—#22 unshielded (All shields tinned copper braid) Av. wt., 100 ft., 5 lbs.

Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8783	3	.250″	47 T 775	4.41	47 T 776	20.50
8786	6	.256″	47 T 777	5.64	47 T 778	27.20

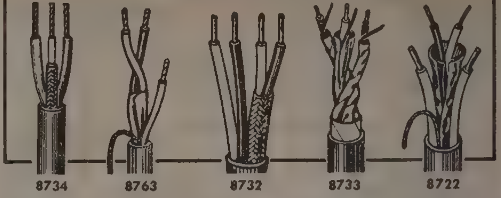
VINYL "JUKE BOX" SPEAKER CABLE



Type 8782. Two parallel conductors, 1 tinned, 1 bare; #24, 7x32 stranding. Vinyl insulation. Vinyl jacket. **In chrome, clear or sand color, specify choice.** O.D., .058x 115″. Shpg. wt., 100 ft., 10 oz.

48 T 848. 25-ft. Spool	.59
48 T 828. 50-ft. Spool	.88
48 T 829. 100-ft. Spool	1.32
47 T 051. 500-ft. Spool	4.41
47 T 052. 1000-ft. Spool	8.82

SPECIAL INTERCOM AND SOUND CABLES



Type 8734. 3 cond. (vinyl-ins.). Tinned copper shield on one; 2 unshielded. AWG: 22(7x30). Chrome vinyl jacket. Wt., 100 ft., 2¾ lbs.

Type 8763. 3 cond. (polyethylene-ins.). Aluminum-Mylar shield on 2, 1 unshielded. #20 stranded grd. wire. Chrome vinyl jacket overall. AWG: 20 (7x28). Shpg. wt. per 100 ft., 3¼ lbs.

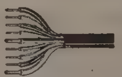
Type 8732. 4 cond. (polyethylene-ins.). 1 pr. tinned copper, shielded; 1 pr. unshielded. 22 (7x30). Chrome vin. plastic jacket. 100 ft., 3 lbs.

Type 8733. 3 cond., separately alum.-Mylar shielded. Grd. wire tinned cadmium-bronze, "Beldfoil Z" fold. AWG: 22 (7x30). 100 ft., 2½ lbs.

Type 8722. 4 cond. (vinyl-ins.): 2 alum.-Mylar shield on 2; unshielded. Tinned grd. 20 (7x28). Chrome vin. jacket 110 ft., 4½ lbs.

Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8734	3	.194	47 T 685	3.68	47 TX 445	16.90
8763	2	.210			47 TX 471	19.84
8732	4	.188x.296	47 T 684	4.65	47 TX 465	20.95
8733	3	.225	47 T 687	4.41	47 TX 329	19.84
8722	4	.260			47 TX 675	23.52

MULTIPLE-CONDUCTOR CABLE (NOT PAIRED)



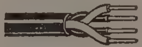
Top-quality multiple-conductor cable for permanent installations of intercoms, speakers and control circuits—as well as other applications requiring a highly durable, flexible and lightweight cable. Conductors are non-paired, plastic-insulated, flexible tinned, stranded copper wire, with color-coded plastic insulation—all cabled together and enclosed in an overall chrome vinyl plastic jacket. All types are waterproof—oil, weather and tear-resistant—for long life under difficult environmental conditions. Cables are flexible and easily stripped. *Have 2 conductors of No. 18 stranded wire (16x30); other conductors are No. 22 stranded. **Specify both Stock No. and Mfr's Type when ordering.**

Mfr's Type	Cond.	AWG Stranding	O. D.	Lbs., 100 ft.	Mfr's Type	Cond.	AWG Stranding	O. D.	Lbs., 100-ft.
8443	3	22 (7x30)	.150″	2	*8446	6	18 (16x30)	.222″	4
8444	4	22 (7x30)	.168″	2¼	*8448	8	18 (16x30)	.251″	4¾
8445	5	22 (7x30)	.180″	2½″	*8449	9	18 (16x30)	.261″	5

COST PER SPOOL

Mfr's Type	15 FT.		25 FT.		100 FT.		600 FT.	
	No.	EA.	No.	EA.	No.	EA.	No.	EA.
8443			47 T 497	.96	47 T 498	2.43	47 T 499	9.21
8444			47 T 503	1.11	47 T 504	2.94	47 T 506	12.15
8445			47 T 508	1.14	47 T 510	3.63	47 T 515	14.70
8446	47 T 519	1.11			47 T 524	5.29	47 T 526	22.79
8448	47 T 534	1.25			47 T 536	6.27	47 T 537	28.67
8449	47 T 538	1.40			47 T 539	7.01	47 T 543	31.61

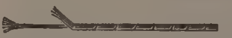
PAIRED VINYL UNSHIELDED CABLE



For intercom and telephone wiring. No. 22 solid tinned copper except *No. 22 stranded (7x30). Color-coded vinyl plastic insulation. Conductors cabled in twisted pairs; chrome vinyl plastic overall. Provide a quiet circuit, free from crosstalk. Vinyl plastic insulation for high dielectric strength. **Be certain to specify both the Mfr's Type and the spool size desired when ordering.**

Mfr's Yype	Cond.	O. D.	Lbs., 100 ft.	100 FT.		500 FT.	
				Stk. No.	EACH	Stk. No.	EACH
8442*	2	.165″	1½			47 T 690	8.09
8740	2	.150″	1¾	47 T 691	1.76	47 T 692	6.47
8741	4	.201″	2½	47 T 693	2.94	47 TX 455	11.76
8742	6	.240″	3½	48 T 565	3.82	47 TX 458	16.17
8757	8	.255″	4			47 TX 407	20.22
8743	12	.305″	4¾	48 T 572	6.17	47 TX 460	27.20
8747*	18	.340″	5½	47 T 697	8.09	47 TX 698	36.75
8744	12	.354″	6½	48 T 552	8.33	48 TX 553	37.88
8748*	18	.389″	8	47 T 699	11.17	47 TX 002	52.92
8753	22	.384″	8	47 T 700	10.73	47 TX 467	51.45
8754	26	.409″	11	48 T 555	12.15	47 TX 476	58.07
8745	30	.420″	10	47 T 696	13.67	47 TX 462	66.15
8755	38	.480″	15			47 TX 478	90.41
8756	46	.510″	17¼			47 TX 480	105.84

BELDEN LITZ WIRE



Type 8817. 5x44 stranded copper Cel-enamel insulated with one nylon wrap. Specifically made for rewinding antenna primaries, hand-winding RF coils. IF coils, and similar radio frequency applications. Outside diameter: .008″. 100-ft. spool. Shpg. wt., 2 oz.

48 T 981..59¢

Belden Microphone and Special-Purpose Cable

RUBBER-COVERED MICROPHONE AND SHIELDED POWER-SUPPLY CABLE

Recommended for greater abrasion resistance and extra flexibility. Especially suited for installations where cable must make tight bends around corners or lie perfectly flat. Available in single or multiple (up to 8) conductors. 8414 is extra flexible and limp; 8428 has heavy-duty neoprene jacket; 8406 and 8413 are miniature-sized cables. Av. wt., per 100 feet, 6 lbs.

Mfr's Type	No. Cond.	AWG Stranding	Cap. Mmf	O. D.	Wkg. Volts	Mfr's Type	No. Cond.	AWG Stranding	Cap. Mmf	O. D.	Wkg. Volts
8410	1	25(7x33)	33	.245″	3000	8426	6	20(26x34)	40	.349″	600
8412	2	20(26x34)	42	.268″	600	8427	7	20(26x34)	40	.360″	600
8414	2	20(26x34)	45	.256″	600	8418	8	20(26x34)	42	.386″	600
8423	3	20(26x34)	50	.277″	600	8428	2	18(41x34)	47	.295″	600
8424	4	20(26x34)	55	.295″	600	8413	2	24(45x40)	38	.185″	300
8425	5	20(26x34)	44	.323″	600	8406	3	24(45x40)	43	.223″	300

COST PER SPOOL

Mfr's Type	15 FT.		25 FT.		50 FT.		100 FT.		250 FT.	
	No.	EACH	No.	EACH	No.	EACH	No.	EACH	No.	EACH
8410	....	......	47 T 793	2.45	47 T 798	4.26	47 T 799	7.79	47 T 814	18.28
8412	....	......	47 T 826	2.60	47 T 827	4.66	47 T 828	8.62	47 T 829	19.85
8414	....	......	....	......	47 T 830	4.41	....	......	....	......
8423	47 T 831	1.99	....	......	47 T 832	5.10	47 T 835	9.56	47 T 836	22.05
8424	47 T 837	2.21	....	......	47 T 838	5.58	47 T 839	10.93	47 T 840	25.46
8425	....	......	....	......	....	......	47 T 841	12.94	47 T 842	31.60
8426	....	......	....	......	....	......	47 T 843	15.43	47 T 844	38.66
8427	....	......	....	......	....	......	47 T 845	16.90	....	....
8418	....	......	....	......	....	......	47 T 846	19.11	47 T 847	47.04
8428	....	......	....	......	....	......	47 T 848	11.03	....	......
8413	47 T 851	1.62	47 T 852	2.30	47 T 853	4.12	47 T 855	7.50	47 T 856	17.64
8406	....	......	....	......	....	......	47 T 858	9.11	47 T 859	22.05

VINYL PLASTIC-COVERED MICROPHONE AND SHIELDED POWER-SUPPLY CABLE

Feature lower capacitance values and lower loss figures than standard rubber-covered cables. Resist ozone deterioration; have high resistance to oil, gasoline, and other chemicals' solvent action. All are relatively light weight with small diameters. Type 8411 is especially suited for use with lapel or lavalier microphones. 8420 is a miniature type cable. Average shpg. wt., per 100 ft., 3½ lbs.

Mfr's Type	No. Cond.	AWG Stranding	Cap. Mmf	O. D.	Wkg. Volts	Mfr's Type	No. Cond.	AWG Stranding	Cap. Mmf	O. D.	Wkg. Volts
8401	1	25(7x33)	25	.200″	5000	8404	4	20(26x34)	25	.255″	600
8411	1	25(7x33)	34	.144″	3500	8405	5	20(26x34)	25	.275″	600
8422	2	22(16x34)	18	.231″	1000	8420	2	24(45x40)	20	.185″	500
8403	3	20(26x34)	25	.245″	600	......	......	....	......	......	....

COST PER SPOOL

Mfr's Type	15 FT.		25 FT.		50 FT.		100 FT.		250 FT.	
	No.	EACH	No.	EACH	No.	EACH	No.	EACH	No.	EACH
8401	47 T 861	.99	47 T 862	1.18	47 T 863	2.30	47 T 864	4.21	47 T 865	8.82
8411	47 T 866	.81	47 T 867	.99	47 T 868	1.71	47 T 869	3.09	47 T 870	6.57
8422	47 T 872	1.18	47 T 873	1.86	47 T 874	3.18	47 T 875	5.73	47 T 876	12.89
8403	47 T 877	1.55	....	......	47 T 878	4.26	47 T 879	7.90	47 T 880	18.27
8404	47 T 881	1.91	....	......	....	......	47 T 882	8.82	47 T 883	21.32
8105	......	...	....	......	....	......	......	...	47 T 884	24.26
8420	47 T 886	1.47	47 T 887	2.20	47 T 888	3.33	47 T 889	6.27	47 T 890	16.17

HI-FI, STEREO AND PHONO CABLES

Stranded, tinned copper, vinyl or rubber insulation. 8421: Hi-fi cable, spiral wrap. 8430 and 8431: Mono phono pickups. 8419, 8429: Stereo phono pickups. 8416: for stereo and language labs. *Use two cables for max. channel separation. †106x.213.

Mfr's Type	Jacket	No. Cond. & AWG	O. D.	Lbs., 100 ft.	Mfr's Type	Jacket	No. Cond. & AWG	O. D.	Lbs., 100 ft.
8421	Ch. Vinyl	1-25(7x33)	.180	2¼	8416	Ch. Vinyl	2-25(7x33)	†	2½
8431	Rubber	1-24(16x36)	.095	¼	*8429	Vinyl	2-32(7x40)	.057	1¼
*8430	Vinyl	2-32(7x40)	.050	1¼	8419	Vinyl	3-32(7x40)	.067	1½

COST PER SPOOL

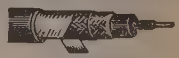
Mfr's Type	10 FT.		25 FT.		50 FT.		100 FT.		250 FT.	
	No.	EACH	No.	EACH	No.	EACH	No.	EACH	No.	EACH
8421	....	......	48 T 781	1.18	48 T 782	2.30	48 T 783	3.67	48 T 784	8.33
8431	49 T 929	.59	49 T 930	1.11	....	......	49 T 931	3.38	....	...
8430	49 T 926	.52	49 T 927	.67	....	......	....	......	49 T 928	4.12
8416	....	......	49 T 382	1.40	49 T 390	2.60	49 T 391	4.41	49 T 412	10.29
8429	49 T 932	.67	49 T 933	1.06	....	......	....	......	49 T 934	7.50
8419	48 T 327	.83	48 T 330	1.42	....	......	....	......	48 T 333	10.29

STANDARD AND MINIATURE BROADCAST AUDIO CABLES

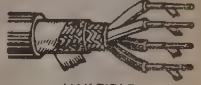
Two-conductor, color-coded cables for a wide variety of applications. High insulation resistance and effective shielding eliminate noise and cross-talk. Have free stripping jackets, fast shield termination and small diameters for easy servicing. Tinned drain-wire prevents current loops. §Spiral-wrapped. †Braided. Specify both Stock No. and Mfr's Type when ordering.

Mfr's Type	Type	AWG Stranding	O. D. Inches	Wkg. Volts	Shields	Jacket	Lbs., 100 ft.	100 Ft. Spool		500 Ft. Spool	
								Stock No.	EACH	Stock No.	EACH
8436	ABC	22(solid)	.190	100	Copper§	Black Vinyl	2	....	.....	48 T 573	22.05
8437	CBS	22(solid)	.200	200	Copper†	Black Vinyl	3½	....	.....	47 TX 451	17.64
8441	CBS	22(16x34)	.210	200	Copper†	Black Vinyl	3	47 T 893	4.41	47 TX 474	20.58
8450	Miniature	22(solid)	.118	200	Alum.-"Mylar"§	Blk./Gray Vinyl	1½	47 T 894	2.94	47 TX 895	11.02
8451	Miniature	22(7x30)	.135	200	Alum.-"Mylar"§	Blk./Gray Vinyl	1¾	48 T 562	3.33	47 T 898	13.96

RUBBER COVERED MICROPHONE CABLE

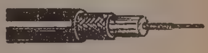


SINGLE



MULTIPLE

VINYL COVERED MICROPHONE CABLE



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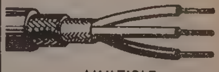
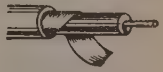
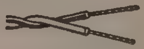


MULTIPLE

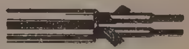
HI-FI STEREO AND PHONO CABLES



HI-FI CABLE

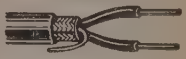


PHONO CABLE

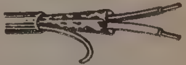


DUAL CHANNEL

BROADCAST AUDIO CABLES

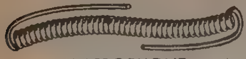


STANDARD CABLE

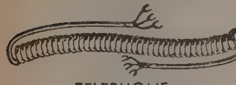


MINIATURE CABLE

BELDEN Wire and Cable



MICROPHONE



TELEPHONE

RETRACTILE (COILED) MICROPHONE AND TELEPHONE CABLE

Strong, coiled cables extend up to six times their normal length. Conveniently retract out-of-way when not in use. Have tinned cadmium-bronze conductors.

Mike cables have braided shield, except *unshielded. Types 8494 and 8495 are unshielded telephone cords with spade terminals and strain relief. Wt., ¼ lb.

Mfr's Type	No. Cond.	Description	Jacket	AWG Stranding	O. D. Inches	Extends From	Extends To	Stock No.	EACH
*8415	4	Microphone Cable	Neoprene	23(21x36)	.250	11½"	6'	47 T 275	1.27
*8497	3	Microphone Cable	Neoprene	23(21x36)	.250	11½"	6'	47 T 279	1.32
8499	1	Microphone Cable	Neoprene	24(45x40)	.160	7½"	4'	47 T 286	.88
8494	4	Telephone Cord	Vinyl	23(21x36)	.245	10"	4½'	47 T 276	1.41
8495	3	Telephone Cord	Vinyl	23(21x36)	.220	10"	4½'	47 T 277	1.20
8498	1	Microphone Cable	Vinyl	24(45x40)	.195	7½"	4'	47 T 285	.96

#18 RUBBER-COVERED FLEXIBLE TEST-PROD WIRE

65x30 strd., tinned copper, cotton wrap. 8898: .230" O.D.; .088" insul.; 10,000-v. WV; 29,000-v. puncture v. 8899: .44" O.D.; .045" insul.; 5000-v. WV; 20,000-v. punct. v. 2 lbs.

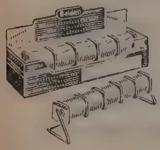
Type 8898—Red			Type 8898—Black		
Stock No.	Spool	EACH	Stock No.	Spool	EACH
47 T 734	10'	.96	47 T 743	10'	.96
47 T 737	25'	1.76	47 T 744	25'	1.76
47 T 738	100'	4.56	47 T 750	100'	4.56
47 T 739	500'	19.11	47 T 751	500'	19.11
Type 8899—Red			**Type 8899—Black**		
47 T 758	10'	.67	47 T 762	10'	.67
47 T 759	25'	1.03	47 T 763	25'	1.03
47 T 760	100'	2.94	47 T 764	100'	2.94
47 T 761	500'	11.76	47 T 765	500'	11.76

SRIR THERMOPLASTIC HOOKUP WIRE

Heavy-duty thermoplastic insulated hookup wire. Rated at 1000 volts, rms. Has tinned copper conductors with .017"-thick insulation. Wire is available in black, brown, red, orange, yellow, green, blue, violet, gray, and white. **Specify your choice.** Av. shpg. wts.: 25-ft. spool, 6 oz.; 100-ft. spool, 1 lb.; 1000-ft. spool, 5½ lbs.

Mfr's Type	Size	Strands	O. D.	25' Spool No.	25' Spool EACH	100' SPOOL No.	100' SPOOL EACH
8525	24	7x32	.058"	....	.....	47 TT 244	.99
8530	22	Solid	.059"	47 TT 214	.44	47 TT 218	.81
8524	22	7x30	.064"	47 TT 215	.46	47 TT 219	.96
8529	20	Solid	.066"	47 TT 216	.46	47 TT 220	.94
8523	20	10x30	.070"	47 TT 217	.53	47 TT 221	1.15
8522	18	16x30	.080"	47 TT 109	.59	47 TT 110	1.36
8528	18	Solid	.074"	....	.....	47 TT 112	1.18
8531	16	Solid	.085"	....	.....	47 TT 246	1.40
8521	16	26x30	.098"	....	.....	47 TT 114	1.76
8520	14	41x30	.111"	....	.....	47 TT 116	1.99
8527	12	65x30	.130"	....	.....	47 TT 118	3.09

ASSORTED WIRE KITS



Type 8822. Handy kit contains ten 25-ft. spools of Type 8529 hookup wire (described in table, above) set in a convenient dispenser rack. Wire is supplied in the following colors: black, blue, green, red, white, yellow, orange, brown, gray, and violet. Shpg. wt., 2½ lbs.
47 T 226........................4.61

Type 8824. Eight 25-ft. spools of Type 8523 hookup wire (see table above) and a dispenser rack. Colors supplied; black, blue, green, red, white, yellow, orange, and brown. Shpg. wt., 2¼ lbs.
47 T 227........................4.23

Type 8818. Eight 25-ft. spools of 8941 No. 20 solid, cellulose acetate hookup wire. With dispenser. Colors included: black, blue, green, red, white, yellow, orange, brown. Shpg. wt., 2 lbs.
47 T 228........................4.94

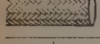
Type 8820. Eight 25-ft. spools of 8943 No. 20 stranded (10x30), cellulose acetate hookup wire and dispenser. Wire supplied in same colors as listed in kit above. Shpg. wt., 2 lbs.
47 T 229........................4.94

SHIELDED HOOKUP AND GRID WIRE

Spool of single conductor #20 stranded (10x30) tinned copper conductor; .015" rubber insulation; cellulose acetate yarn braid; lacquered, tinned copper braid shield. Break-down voltage, 4000 volts. O.D. .117". Shpg. wt., 100 ft., 1¼ lbs. **Available only in lengths shown—specify.**

47 T 779. 15-ft. Spool.........88 **47 T 780. 25-ft. Spool**....1.11
47 T 781. 100-ft. Spool.....3.09 **47 T 782. 500-ft. Spool**..14.33

COPPER BRAID SHIELDING AND BONDING CABLE



Flexible, braided and tinned copper for shielding conductors and cables. Braided in tubular form for easy slip-on. Av. shpg. wt. per 50 ft., 1½ lbs.

Mfr's Type	I. D.	Stranding	10-Ft. SPOOL Stock No.	10-Ft. SPOOL EACH	50-Ft. SPOOL Stock No.	50-Ft. SPOOL EACH
8660	⅛"	96x34	49 T 351	.59	49 T 350	1.62
8668	11/64"	120x34	49 T 356	.76	49 T 355	2.02
8661	⅜"	192x34	49 T 361	.81	49 T 360	2.50
8669	½"	336x34	49 T 366	1.25	49 T 365	5.39
8662	25/32"	576x34	49 T 381	1.76	49 T 380	7.20
8663	¼"	160x34	49 T 842	.79	49 T 843	2.35

STRANDED AND SOLID ANTENNA WIRE

Four types of extremely high-conductivity copper antenna wire. Offered both stranded and solid, it's an ideal answer to receiving and transmitting requirements. Features maximum tensile strength possible as a means of ensuring minimum amount of stretch. *Formvar insulation provides a special protection to the wire against corrosive action.-Av. shpg. wt., 100-ft. coil of antenna wire, 1 lb.

STRANDED BARE COPPER

Type 8000—7x22			Type 8002—7x24		
Stock No.	Spool	EACH	Stock No.	Spool	EACH
47 T 680	50 ft.	.81	47 T 654	50 ft.	.59
47 T 681	75 ft.	1.11	....	....	.....
47 T 682	100 ft.	1.42	47 T 656	100 ft.	.96
47 T 683	1,000 ft.	13.23	....		.....

SOLID *FORMVAR-INSULATED COPPER

Type 8008 No. 12			Type 8009 No. 14		
Stock No.	Spool	EACH	Stock No.	Spool	EACH
47 T 670	100 ft.	2.50	47 T 740	100 ft.	1.70
47 T 735	200 ft.	4.56	47 T 742	200 ft.	3.23
47 T 736	500 ft.	10.68	47 T 741	500 ft.	7.20

INDOOR ANTENNA WIRE

Type 8014. Extra flexible. No. 25 stranded (13x36), tinned copper conductor, with chrome vinyl plastic insulation. O.D., .044". Shpg. wts.: 25-ft. spool, 2 oz.; 500-ft. spool. 2 lbs.
47 T 930. 25-ft.........................52¢
47 T 933. 500-ft.........................2.94

NYCLAD HEAVY MAGNET WIRE

Type HNC. Combines features of Formvar wire with the toughness and solvent resistance of nylon enamel. Unexcelled for difficult and exacting windings of any type. Withstands winding abuse and forming operations; resists solvent action of all types of thinners; resists softening and brittleness at extreme temperatures; infinite moisture resistance.

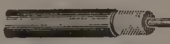
½ lb. Spool				1 lb. Spool			
Stock No.	Size	Feet	EACH	Stock No.	Size	Feet	EACH
48 T 036	14	40	88¢	48 T 086	14	80	1.40
48 T 037	16	63	88¢	48 T 087	16	126	1.40
48 T 038	18	100	88¢	48 T 088	18	199	1.40
48 T 039	20	157	88¢	48 T 089	20	315	1.40
48 T 040	22	250	88¢	48 T 090	22	501	1.47
48 T 041	24	396	.96	48 T 091	24	793	1.55
48 T 042	26	630	1.03	48 T 092	26	1260	1.70
48 T 043	28	995	1.11	48 T 093	28	1990	1.91
48 T 044	30	1570	1.25	48 T 094	30	3140	2.21
48 T 045	32	2440	1.32	48 T 095	32	4880	2.43
48 T 046	34	3930	1.47	48 T 096	34	7860	2.86
48 T 047	36	6200	1.91	48 T 097	36	12400	3.68
48 T 048	38	9700	2.43	48 T 098	38	19400	4.95
48 T 049	40	16050	3.38	48 T 099	40	32100	7.15

DUPLEX LIGHTING CABLE

Weatherproof 2-conductor stranded lighting cables for outdoor use only. Ideal for extending power lines to yard, garden, garage, barn, etc. Consist of two stranded, tinned copper, vinyl insulated conductors: one conductor brown vinyl, the other, red vinyl, running parallel through an oval-shaped, chrome vinyl outer jacket of .022" thickness. Type 8677 is No. 16 AWG (19x29); O.D., .164x.276". Type 8675 is No. 14 AWG (19x27); O.D., .189x.326". Type 8673 is No. 12 AWG (19x25); O.D., .213x.384". Av. shpg. wt., per 100 ft., 5 lbs.

Mfr's Type	Stock No.	100' Spool	Stock No.	500' Spool
8677	47 T 728	4.51	47 T 729	21.33
8675	47 T 730	5.88	47 TX 039	27.05
8673	47 T 731	7.35	47 TX 042	35.28

CATHODE-RAY-TUBE CABLE



High dielectric, corona resistant, minimum surface leakage CRT cables. No. 22 (7x30) tinned copper, polyethylene insulated. 8868 has red vinyl jacket; rated 25,000 v. working; 50,000 v. breakdown, 8869, black vinyl jkt.; 17,000 v. 35,000 v. breakdown.

Mfr's Type	Insulation	O. D.	25-ft. Spool Stock No.	25-ft. Spool Wt., Lbs.	25-ft. Spool EA.	100-ft. Spool Stock No.	100-ft. Spool Wt., Lbs.	100-ft. Spool EA.
8868	.065"	.150"	47 T 769	¼	.96	47 T 770	1¾	2.35
8869	.029"	.120"	47 T 772	¼	.81	47 T 773	1¼	1.91

Wire and Cable, Accessories

CONSOLIDATED STEREO PHONO PICKUP CABLES

Extremely flexible No. 32 stranded (7x40) copper conductor with .009" vinyl insulation. O.D., .055". Types 1479, 1406, 1407, and 1410 have braided tinned copper shield. Shpg. wts.: 10 ft., 4 oz.; 25 ft., 6 oz.; 250 ft., 1 lb.

UNSHIELDED WIRE

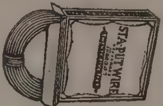
Mfr's Type	Cond.	10-Ft. Spool		25-Ft. Spool		250-Ft. Spool	
		Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
1478	2	48 T 523	.32	48 T 524	.44	48 T 525	3.00
1401	3	48 T 526	.38	48 T 527	.90	48 T 528	8.25
1402	4	48 T 529	.53	48 T 533	1.20	48 T 534	11.25

SHIELDED WIRE

*Individually shielded conductors.

Mfr's Type	Cond.	10-Ft. Stock No.	EA.	25-Ft. Stock No.	EA.	250-Ft. Stock No.	EA.
1479	2	48 T 535	.45	48 T 536	.83	48 T 537	6.00
1406	3	48 T 538	.60	48 T 539	1.28	48 T 543	12.00
1407	4	48 T 544	.68	48 T 545	1.50	48 T 546	13.50
1410	2*	48 T 547	.60	48 T 548	1.35	48 T 549	12.75

CONSOLIDATED PUSH-BACK HOOKUP WIRE



Very flexible and durable No. 20, evenly-drawn pure copper wire. Features special insulation that is easily pushed back for convenience in soldering. Available both in solid and stranded types. Double-cotton covered with paraffin-treated, damp-proof braid. Choice of five colors. Shpg. wts.: 25 ft., 4 oz.; 100 ft., 1 lb.

STRANDED TYPE, 10x30

Spool	Red	Black	Yellow	Blue	Green	EACH
25 ft.	48 T 442	48 T 440	48 T 444	48 T 441	48 T 443	.36
100 ft.	48 T 447	48 T 445	48 T 449	48 T 446	48 T 448	1.29

SOLID TYPE

Spool	Red	Black	Yellow	Blue	Green	EACH
25 ft.	48 T 472	48 T 470	48 T 474	48 T 471	48 T 473	.34
100 ft.	48 T 477	48 T 475	48 T 479	48 T 476	48 T 478	1.26

CONSOLIDATED MAGNET WIRE SPOOLS

Insulated, soft-drawn copper wire of highest quality. Specially manufactured for all types of coil winding applications—transformers, RF coils, chokes, etc. All sizes indicated below are standard B&S gauge. Shpg. wts.: ½-lb. spool, 14 oz.; 1-lb. spool, 1½ lbs.

PLAIN ENAMELED ½-LB. SPOOLS

Stock No.	Size	Feet	EACH	Stock No.	Size	Feet	EACH
48 T 100	14	38	60¢	48 T 111	26	640	71¢
48 T 102	16	63	60¢	48 T 112	28	1013	75¢
48 T 104	18	101	62¢	48 T 113	30	1602	83¢
48 T 106	20	159	62¢	48 T 114	32	2543	84¢
48 T 108	22	253	65¢	48 T 115	34	4042	92¢
48 T 109	24	402	65¢	48 T 116	36	6410	92¢

SINGLE COTTON ENAMELED 1-LB. SPOOLS

Stock No.	Size	Feet	EACH	Stock No.	Size	Feet	EACH
48 T 020	14	78	1.44	48 T 028	22	490	1.91
48 T 022	16	124	1.50	48 T 029	24	772	1.95
48 T 023	17	156	1.56	48 T 030	25	936	2.07
48 T 024	18	198	1.62	48 T 031	26	1209	2.19
48 T 025	19	248	1.70	48 T 032	28	1876	2.63
48 T 026	20	312	1.79	48 T 033	30	2780	3.08

CONSOLIDATED HEAVY FORMVAR MAGNET WIRE SPOOLS

Copper magnet wire covered with Formvar; tough, abrasion-resisting film. Stable dielectric under drying and aging effects of heat; does not fail after two hours at 105° C. Impervious to moisture and petroleum solvents; resists acid and alkali. Takes up less winding space. Replaces enamel, paper, cotton, silk, double cotton, and double silk wire. Wt., per spool, 1½ lbs.

Stock No.	Size	Feet	EACH	Stock No.	Size	Feet	EACH
48 T 180	14	78	1.13	48 T 187	28	1999	1.59
48 T 137	15	99	1.13	48 T 144	29	2780	1.77
48 T 181	16	124	1.13	48 T 188	30	3200	1.79
48 T 138	17	156	1.14	48 T 145	31	4410	2.03
48 T 182	18	198	1.14	48 T 189	32	4900	2.04
48 T 139	19	246	1.19	48 T 146	33	6441	2.16
48 T 183	20	313	1.20	48 T 190	34	7950	2.19
48 T 140	21	397	1.26	48 T 147	35	9002	2.51
48 T 184	22	501	1.26	48 T 191	36	12,800	2.54
48 T 141	23	628	1.34	48 T 148	37	15,898	3.45
48 T 185	24	798	1.34	48 T 192	38	20,000	3.51
48 T 142	25	941	1.43	48 T 149	39	25,188	5.37
48 T 186	26	1200	1.46	48 T 193	40	31,700	5.45
48 T 143	27	1583	1.56				

CONSOLIDATED TINNED SOLID COPPER WIRE

Fine quality, soft-drawn copper wire, tinned for easy soldering. Excellent for circuit wiring. Av. shpg. wt., 2 lbs.

100-FT. COILS

Stock No.	Gauge	EACH	Stock No.	Gauge	EACH
47 T 128	24	.38	47 T 523	16	1.05
47 T 127	22	.48	47 T 520	14	1.43
47 T 126	20	.54	47 T 530	12	1.98
47 T 125	18	.75			

ALPHLEX PVC-105 PLASTIC TUBING (Specify Color)

Resists temperatures from − 30° C to 105° C. Rated at 800 volts; resistance, over 1 million megs. Tensile strength, 2500 PSI. Sizes 24 and 22, .012" wall thickness; others, .016". **In clear, black, red, yellow, green, blue brown, white, and orange—specify color.** Av. shpg wt., 100 ft., 5 oz.

Size	Nom. I.D.	25-Ft. Coil		100-Ft. Coil	
		Stock No.	EACH	Stock No.	EACH
24	.022"	49 TT 262	73¢	49 TT 269	2.43
22	.027"	49 TT 263	74¢	49 TT 270	2.44
20	.034"	49 TT 264	75¢	49 TT 271	2.49
18	.042"	49 TT 265	77¢	49 TT 272	2.58
16	.053"	49 TT 266	80¢	49 TT 273	2.72
14	.066"	49 TT 267	85¢	49 TT 274	2.89
12	.085"	49 TT 268	89¢	49 TT 275	3.07

Tubing as above. Size 10, .016" wall thickness; all other sizes, .020" **Available in choice of six popular colors: clear, black, red, yellow, green, and white—specify color.** Av. shpg. wt., 100 ft., 10 oz.

Size	Nom. I.D.	25-Ft. Stock No.	EACH	100-Ft. Stock No.	EACH
10	.106"	49 TT 276	.94	49 TT 281	3.27
8	.133"	49 TT 277	1.27	49 TT 282	4.51
6	.166"	49 TT 278	1.42	49 TT 283	5.19
4	.208"	49 TT 279	1.63	49 TT 284	6.00
2	.263"	49 TT 280	1.85	49 TT 285	6.91

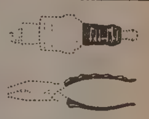
Wall thicknesses, size 0, .020"; *.025"; †.030"; §.035". **Choice of clear or black--specify.** Av. wt., 100', 5 lbs.

Size	Nom. I.D.	25-Ft. Stock No.	EACH	100-Ft. Stock No.	EACH
0	.330"	49 TT 286	2.12	49 TT 292	7.98
5/16"*	.312"	49 TT 287	2.48	49 TT 293	9.42
3/8"*	.375"	49 TT 288	2.83	49 TT 294	10.81
1/2"*	.500"	49 TT 289	3.44	49 TT 295	12.77
5/8"†	.625"	49 TT 290	4.84	49 TT 296	18.38
3/4"§	.750"	49 TT 291	6.59		

ALPHLEX HEAT-SHRINKABLE FLEXIBLE TUBING

Type PVE FIT-105-MS-1 Assortment. Irradiated polyvinylchloride (PVC). Provides snug, flexible insulation that's ideal for cable jacketing, cable markers, etc. Tubing is excellent for use as insulation over splices. Supplied at "Min. I.D." size; shrinks to "Recov. I.D." in only 7 seconds when heated to 325°F. Black color. Assortment consists of 10 tubes, each 6" in length, ranging in size (diameters) from 3/64" through 1/4". Shpg. wt., 8 oz.

48 T 658 . . . . 4.00



Shrinks to Cover Irregular Shapes

BIRNBACH VARNISHED SPAGHETTI TUBING

ASSORTED 9" LENGTHS

Highly popular with servicemen, experimenters and builders. A convenient assortment of 25 pieces of vinyl and cambric spaghetti tubing in various colors and diameters. Shpg. wt., 3 oz. Permits quick, easy coding of wiring.

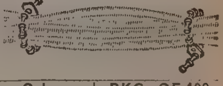
49 T 220. 25-Piece Assortment . . . . 29¢

SELECTION OF 36" LENGTHS

5 lengths to a package. 4,000 v. dielectric. Av. shpg. wt., 2 oz.

For Wire Size	Stock No.				Per Pkg.	5 or More Pkgs., Per Pkg.
	Black	Yellow	Red	Green		
20	49 T 164	49 T 165	49 T 166	49 T 167	.75	68¢
18	49 T 169	49 T 170	49 T 171	49 T 172	.79	72¢
16	49 T 174	49 T 175	49 T 176	49 T 177	.83	75¢
14	49 T 179	49 T 180	49 T 181	49 T 182	.90	82¢
12	49 T 184	49 T 185	49 T 186	49 T 187	.95	86¢
10	49 T 189	49 T 190	49 T 191	49 T 192	1.03	93¢

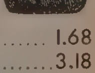
GENERAL-CEMENT CABLE TIES



Made of high dielectric polyethylene with 45 lb. breaking point. Designed to withstand temperatures of up to +120°F. Each is 4¼" long. Shpg. wt., 4 oz. **100 Per Pkg.**

Stock No.	Type	Color	PKG. OF 100
47 T 182	34-432	Red	1.11
47 T 183	34-440	Blue	
47 T 184	34-436	Yellow	

H.H. SMITH CABLE LACING CORD



High-quality, natural-color twine for cable harness lacing. Made from pure flax, waxed and mildew-proofed. 50-lb. test. Hard-twist, 8-ply cord is excellent for binding cables in switchboards, control consoles, transmitters, receivers, etc. Type 738 is approx. 235 yards, 8 oz. Type 739 is approx. 470 yards, 1 lb.

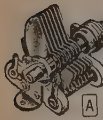
49 T 446. Type 738. Shpg. wt., ¾ lb. 1.68

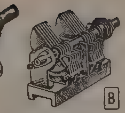
49 T 449. Type 739. Shpg. wt., 1¼ lbs. 3.18

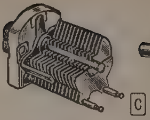
Make Allied your headquarters for all electronic supplies. This catalog is your guide to the world's largest stock of everything in electronics, handled by skilled personnel, in unsurpassed facilities.

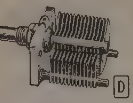
Variable Capacitors

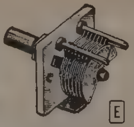
HAMMARLUND CAPACITORS

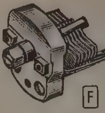


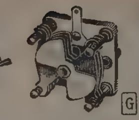


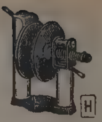












TYPE MC

A Versatile single section tuning capacitors. Have siliconized steatite base, nickel-plated brass plates. Panel or chassis mtg. *Straight-line capacity characteristic; others have mid-line characteristic. Nominal air gap: Single-spaced M and S types, .0245″; wide-spaced SX types, .0715″. Tested at 1000 v. and 1750 v. (60 cycle rms) respectively. Capacity increases with clockwise rotation. Continuous rotation. Size: S type, 1 11/16x 1 11/16″; M type, 1⅝x2 3/32″. Shpg. wt.. 10 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 L 666	*MC-20-S	20	5.5	2.27
13 L 667	*MC-35-S	35	6.0	2.31
13 L 668	*MC-50-S	50	6.5	2.48
13 L 670	*MC-75-S	80	8.0	2.55
13 L 672	*MC-100-S	100	8.3	2.69
13 L 673	MC-100-M	100	7.7	2.72
13 L 674	MC-140-M	140	9.0	2.88
13 L 675	*MC-140-S	140	10.0	2.85
13 L 676	MC-200-M	200	10.3	3.27
13 L 677	MC-250-M	250	12.0	3.41
13 L 678	MC-325-M	320	13.5	3.90

DOUBLE-SPACED MC's

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 L 679	*MC-20-SX	20	6.8	2.63
13 L 682	*MC-35-SX	32	8.5	2.79
13 L 684	*MC-50-SX	53	11.5	3.05
13 L 686	*MC-100-SX	100	16.5	3.87

TYPE MCD DUALS

B Designed for single hole panel-mounting. Require only 3 11/32″ in length behind panel. Steatite base; nickel-plated brass plates. Tested at 1000 v. Exhibit same features as Type MC, above; have terminals on both sides. Have mid-line characteristic. Size opened, ⅝x 2 3/32″. Shpg. wt., 11 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 L 687	MCD-50-M	50	5.5	7.25
13 L 690	MCD-100-M	100	6.3	7.74
13 L 695	MCD-140-M	140	7.8	8.16

TYPE MAPC

C Midget padding, trimming and general-purpose capacitors. Similar to APC, but smaller. Ideal for small space applications. Gap, .0135″. Rotors and stators are nickel-plated brass. Nickel-plated beryllium copper wiper contact. Tapped (4-40 thread) brass studs in steatite base permit mounting without grounding rotor. Tested at 600 volts rms, 60 cps. Overall size: 25/32″ wide, 15/16″ high. All are adjustable with screwdriver or hex wrench. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Max. Mmf	*Min. Mmf	EACH
13 L 584	MAPC-15	15	2.3	1.01
13 L 585	MAPC-25	25	2.6	1.10
13 L 586	MAPC-35	35	2.9	1.10
13 L 587	MAPC-50	50	3.2	1.19
13 L 588	MAPC-75	75	3.9	1.28
13 L 589	MAPC-100	100	4.5	1.44

TYPE HFA

D Sturdy capacitors, similar to HF, but larger plates and wider air gaps. For general-purpose and transmitting applications. Single-hole panel mounting. Also bracket for base mounting. End letter A in type no. denotes .02″ air gap, B—.03″; 800 and 1200 test volts respectively. 1 19/64x1 7/32″. Shpg. wt., 1 lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 L 599	HFA-10B	9	2.3	1.62
13 L 643	HFA-15B	16	2.8	1.71
13 L 644	HFA-25B	25	3.0	1.74
13 L 645	HFA-50B	50	4.3	1.92
13 L 646	HFA-100B	100	7.5	3.05
13 L 597	HFA-100A	102	4.5	2.13
13 L 598	HFA-140A	145	6.0	2.39

TYPE MAC

(Not illustrated.) Extremely small variable capacitors. Excellent for use as VHF trimmers. Steatite base; only ¾x⅝″. Screwdriver adjustment. Have threaded sleeve for convenient panel mounting. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 L 659	MAC-5	5.4	1.3	1.00
13 L 660	MAC-10	9.6	1.5	1.05
13 L 661	MAC-15	15.8	1.9	1.20
13 L 662	MAC-20	21.5	2.2	1.35

TYPE HF

E Ideal for critical high-frequency circuits. Isolantite insulation. *Double-spaced units. HF: 1 9/32x1 5/16″; HFD: 1½x1″. Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 L 590	HF-15	17.5	2.8	1.14
13 L 591	HF-35	36	3.2	1.25
13 L 592	HF-50	52	3.7	1.31
13 L 593	HF-100	102	5.3	1.49
13 L 594	HF-140	142	6.3	1.74
13 L 595	*HF-15-X	15	3.6	1.29
13 L 596	*HF-30-X	30	5.2	1.43

HFD SPLIT-STATOR

17 L 076	HFD-25	25	2.9	4.37
13 L 648	HFD-50	52	3.6	4.55
13 L 649	HFD-100	102	5.0	4.98
13 L 650	HFD-140	142	6.0	5.15
13 L 651	*HFD-15-X	16	3.8	4.55
13 L 652	*HFD-30-X	28.5	5.0	4.65

TYPE APC

F Isolantite base. Screwdriver or hex-wrench adjust. 1 7/32x1 15/16″. Wt., 4 oz.

13 L 654	APC-25	25	3.0	1.35
13 L 655	APC-50	50	3.9	1.55
13 L 656	APC-75	75	4.6	1.70
13 L 657	APC-100	100	5.5	1.85
13 L 658	APC-140	140	6.7	2.15

BFC BUTTERFLY TYPES

G Straight-line capacity type; 90° minimum to maximum. Spacing .03″. Tested at 1200 v. rms., 60 cycles between rotor and each stator. Tapped (6-32 thread) studs in steatite base permit mounting capacitor without grounding the rotor. Silver contact. 1⅜x1⅜″. Wt. 1 lb.

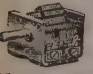
Stock No.	Type	Max.	Min.	EACH
12 L 601	BFC-12	14.5	3.4	1.95
12 L 602	BFC-25	27.3	4.8	2.25
12 L 603	BFC-38	40.1	6.2	2.60

NEUTRALIZING CAPACITOR

H **Type NZ-10.** Rated, 3000 v. AC peak. Fine adjustment. Capacity, 2.3-10 mmf. 2⅞x 1 13/16x2 15/16″. Shpg. wt., 1 lb.
13 L 653.................4.77

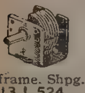
RECEIVER-TYPE CAPACITORS AND ACCESSORIES

MIDGET SUPERHET AND TRF TYPES



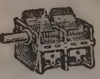
Midget Superhet. Miniature size without sacrifice of performance makes these 2-gang variables perfect for portable and midget sets. Capacity: RF section, 14.5 to 368 mmf, 27 plates; osc. section, 11.6 to 136.6 mmf, 15 plates. Capacity increases with counter-clockwise rotation. For use with 455 kc IF. With trimmers. Size, 1 11/16x1 ½x1 5/16″. ¼″ diameter shaft extends 1″ beyond frame. Ball-bearing mounted shaft. Shpg. wt., 6 oz.
13 L 523.................1.41

Miniature Superhet. RF section is 10.8 mmf to 232.4 mmf. Oscillator section is 8.5 mmf to 106.3 mmf. 1 5/16x1 ⅜x1 3/16″. 5 oz.
12 L 605.................95¢

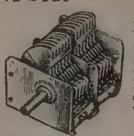


Midget TRF. Compact, 33-plate, single-gang capacitor. Variable from 15 to 409 mmf. Capacity increases clockwise. Size: 1 3/16″ deep, 1⅜″ wide, 1 5/16″ high. ¼″ diameter shaft extends ¾″ beyond capacitor frame. Shpg. wt., 5 oz.
13 L 524.................1.02

TRF CAPACITORS

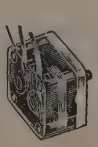


2-Gang. For use in superhets without RF stage or in 2-stage TRF receivers. Each section has 29 plates. Range, 15.5 to 467.8mmf, each section. Counter-clockwise rotation increases capacity. With trimmers. End plates slotted for easy tracking adjustments. Spring brass wipers. Take series padder for oscillator use. ⅜″ dia. shaft. Use extender to convert to ¼″ shaft. See coil and I. F. section for coils. 1⅝x1 13/16x2 3/16″. 10 oz.
13 L 528.................1.54



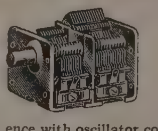
2- and 3-Gang Capacitors. Compact TRF variable capacitors. Have trimmers on side of frame. Outer rotor plates are slotted for tracking adjustment. Tapped holes in frame provide secure mounting. Range: 12 to 367 mmf. Shaft diameter, ⅜″. Size of 2-gang: 2 3/16x 1 13/16x1 ⅝″. Size of 3-gang: 3 3/16x1 13/16x1 ⅝″. Av. shpg. wt., 6 oz.
13 L 521. 2-gang.................1.55
13 L 522. 3-gang.................2.31

MINIATURE 2-GANG VARIABLE CAPACITOR



Ideal variable tuning capacitor for miniature circuitry and use as exact-duplicate replacement in current transistor receivers. Rotates through a full 180°—maximum capacity: antenna section. 148.1 mmf; oscillator section, 65.2 mmf. Trimmer capacity: variable to over 6 mmf. Trimmer adjustment on rear of case. Completely enclosed in clear polyethylene plastic case to protect plates. Size only 7/16x¾″. Shpg. wt., 4 oz.
17 L 092.................1.59

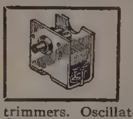
CAPACITOR AND MATCHING COIL



2-Section Superhet Variable. 19-plate oscillator section with 172.6 max.—10.6 min. mmf; has one 2-17 mmf trimmer. 27-plate RF section with 434 max. to 14.5 min. mmf; has one 2-17 mmf trimmer. Provides 455 kc difference with oscillator coil listed below. Capacity increases with CCW rotation. Overall size, 1⅝x1 13/16x2 3/16″. Shaft, ¼x¾″. 10 oz.
13 L 529.................1.52

Oscillator Coil. For above. Shpg. wt., 4 oz.
13 L 504.................36¢

TRANSISTOR-TYPE CAPACITORS

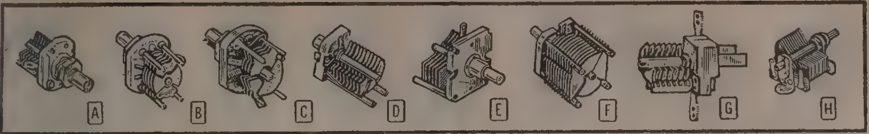


Miniature Superhet. Two-section capacitor specially designed for use with broadcast band transistorized receivers, small table models and portables. Capacity increases with counterclockwise rotation. With trimmers. Oscillator section for 455-kc IF. Capacity ranges: oscillator section—7.2 mmf to 66 mmf; RF section—7.5 mmf to 81 mmf. ¼″ shaft. Overall size, 1⅜x1 3/16x1 5/16″. Shpg. wt. 4 oz.
13 L 526.................1.35

Miniature Superhet. Similar to above midget superhet type. Ideal for miniature transistorized receivers. Complete with trimmers. ¼″ shaft has ball-bearing mount. Capacity ranges: oscillator section—6.1 mmf to 73.4 mmf; RF section—7.0 mmf to 123.1 mmf. Size, 1⅞x1⅜x¾″. Shpg. wt., 2 oz.
13 L 527.................1.40

Variable and Fixed Capacitors, Trimmers

E. F. JOHNSON CAPACITORS



- Rugged
- Compact
- Stable
- Dependable
- Low Cost

TYPE M MINIATURE VARIABLES

Bridge-type stator terminal provides low inductance; oversize bearing, heavily anchored stator supports insure rigidity. ¾x⅝" panel mtg. space, ¼" hole. Slotted shaft takes 3/16" knob. 1250 v. approx. peak break-down Low-loss steatite insulation. Nickel-plated 2 oz.

A SINGLE SECTION

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	EA.
13 L 758	160-102	5.0	1.5	5	.90
13 L 759	160-104	8.7	1.8	9	.95
13 L 760	160-107	14 2	2 3	15	1.00
13 L 761	160-110	19.6	2.7	21	1.10
13 L 766	160-130	32	3	28	1.20

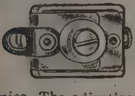
B BUTTERFLY

13 L 763	160-205	5.1	1.8	9	1.30
13 L 764	160-208	8.0	2.2	16	1.45
13 L 765	160-211	10.8	2.7	22	1.60

C DIFFERENTIAL

13 L 767	160-303	5.0	1.5	5	1.25
13 L 768	160-305	8 7	1.8	9	1.45
13 L 770	160-311	19.6	2.7	21	1.85

TRIMMERS AND PADDERS



Mica trimmer and padder capacitors in various sizes for a variety of applications. Treated to assure resistance to humidity and permanence of capacity settings. Low-loss ceramic base. Clear India mica. The adjusting plates have been rigidly constructed to permit bending of soldering lugs without affecting capacity. All are lightweight, and easily mounted. Have convenient screwdriver adjustment. Ranges indicated in tables below, are from 3 turns open trimmer to tight setting. 17/32" mtg. ctrs. 2 oz.

STANDARD TRIMMERS, ¾"x⅝"

Stock No.	Min. Mmf	Max. Mmf	EACH
13 L 518	1.5	15	20¢
13 L 511	2.7	30	20¢
13 L 512	5.0	80	23¢
13 L 513	9.0	180	24¢
13 L 514	25	280	27¢
13 L 515	50	380	29¢
13 L 516	80	480	32¢
13 L 517	110	580	36¢
13 L 519	140	680	39¢
13 L 520	170	780	42¢

MIDGET TRIMMERS, ⅜"x¾"

Stock No.	Min. Mmf	Max. Mmf	EACH
17 L 077	1	12	20¢
17 L 078	2	25	20¢
17 L 079	4	40	23¢
17 L 080	7	100	24¢
17 L 081	14	150	27¢
17 L 082	24	200	29¢
17 L 083	37	250	32¢
17 L 084	55	300	36¢
17 L 085	70	350	39¢
17 L 086	90	400	42¢

MINIATURE TRIMMERS, ⅜x9/16"

Stock No.	Min. Mmf	Max. Mmf	EACH
17 L 087	0.9	7	20¢
17 L 088	1.5	20	23¢
17 L 089	3	40	24¢
17 L 090	8	60	27¢

PADDERS, ⅞x15/16"

17 L 093	15	130	39¢
17 L 094	65	340	42¢
17 L 095	115	550	44¢
17 L 096	190	760	49¢
17 L 097	275	970	54¢
17 L 098	350	1180	59¢
17 L 099	450	1390	62¢
17 L 100	550	1600	67¢
17 L 101	650	1890	72¢
17 L 102	780	2110	76¢
17 L 103	880	2330	81¢
17 L 104	1150	2605	86¢
17 L 105	1300	2830	91¢
17 L 106	1400	3055	96¢

D TYPE S VARIABLES

Compact and rugged. 850 v. peak rating. Slotted hex-nut shaft. Panel space 29/32x25/32", 1 11/16" behind. Two 4-40 mtg. holes. 1 lb.

Stock No.	Mfr's Type	Mmf Max-Min	No. of Plates	EACH
13 L 771	148-1	15 2.3	6	1.00
13 L 772	148-2	25-2.6	10	1.05
13 L 733	148-3	35-2.9	14	1.10
13 L 774	148 4	50-3.2	19	1.15
13 L 776	148-6	100-4.5	38	1.30

TYPE L VARIABLES

Extremely stable; vibration and shockproof. 1500 v. peak rating. Panel space 1⅜" sq., behind. ¼" shaft. Wt., 1 lb.

E SINGLE END PLATE

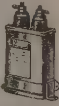
13 L 777	167-1	11-2.8	3	1.80
13 L 778	167 2	27 3.5	7	1.90
13 L 779	167-3	51-4.6	13	2.10
13 L 780	167-4	75-5.7	19	2.30

F BUTTERFLY

13 L 781	167-21	10.5-2.8	5	2.15
13 L 782	167-22	26-4.3	12	2.50
13 L 783	167 23	51-6.8	23	3.05

CORNELL-DUBILIER

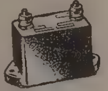
TJU—TJL HERMETICALLY SEALED TRANSMITTING CAPACITORS



Impervious to heat. *Type TJL, all others are TJU with universal mtg. strap. Type TJL has standard-width brackets with mtg. holes. Range: −55° C to +85° C. Tolerance, ±10%. Wt., 5 oz.

Stock No.	Mfd	WVDC	Size	EACH
13 L 706	1	600	2⅛x1 13/16x1 1/16"	2.73
13 L 708	4	600	3⅜x2½x1 13/16"	4.41
13 L 736	6	600	4⅝x2½x1 3/16"	5.15
13 L 714	10	600	4⅝x3¾x1¼"	4.94
13 L 717	1	1000	2⅛x1 13/16x1 1/16"	2.72
13 L 711	2	1000	4x1 13/16x1 1/16"	2.94
13 L 712	4	1000	4x1 13/16x1 1/16"	3.68
13 L 713	8	1000	3⅞x3¾x1¾"	7.06
13 L 726	10	1000	4⅝x3¾x1¾"	8.09
13 L 730	15	1000	4¾x3¾x2½"	11.04
13 L 718	1	2000	3⅜x2½x1 3/16"	4.73
13 L 719	2	2000	4x3¾x1¼"	5.85
13 L 720	4	2000	3 13/16x3¾x2¼"	8.16
13 L 737	8	2000	4¾x3¾x3 3/16"	12.34
13 L 723	1	3000	3 13/16x3¾x2¼"	9.81
13 L 724	2*	3000	4⅛x3¾x3 3/16"	13.01
13 L 728	1	4000	5x3¾x2¼"	11.59

HEAVY-DUTY MICAS



Tolerance, ±5%. Sizes: Type ending in −15L is 2 1/32x2 13/16x 15/16"; Types ending in −6L are 2¼x3 7/64x1¼"; Types ending in −30BL are 3 15/16x4 1/32x 2 7/16". *Peak WVDC—continuous duty rating. Av. shpg. wt., ½ lb.

Stock No.	Type	Mfd	*WVDC	EA.
10 L 808	111-6L	.1	500	11.52
10 L 809	118-6L	.05	1500	10.38
10 L 810	642-15L	.0005	3000	7.56
10 L 811	474-6L	.005	3000	10.38
10 L 812	307-6L	.0002	5000	10.38
10 L 813	294A-6L	.0003	5000	10.38
10 L 814	474A-6L	.005	5000	10.38
10 L 815	246-6L	.001	5000	10.38
10 L 816	3381-6L	.002	5000	10.38
10 L 817	197A-6L	.003	5000	10.38
10 L 826	960-30BL	.001	8000	19.17
10 L 827	758-30BL	.005	8000	29.16

H TYPE R VARIABLES

Extra-heavy rugged construction. Panel or base mtg. Panel space 1 11/16x1⅝", up to 2⅛" behind. 1200 v. peak. 1 lb.

Stock No.	Mfr's Type	Mmf Max-Min	No. of Plates	EACH
13 L 754	149-3	50- 6.5	7	2.55
13 L 756	149 5	102- 8.5	14	2.80
13 L 757	149-6	140 13.5	19	3.00

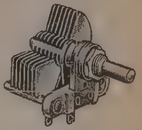
G TYPE U SUBMINIATURE VARIABLES

Tiny high-quality capacitors. Require only 7/16" sq. panel space, up to ¾" behind. Offer high Q and low temp. coeff. 850 v. peak breakdown except † 1300 volts. Equipped with 5/16" terminals for wiring into circuit or for printed circuit board mounting. Shpg. wt., 4 oz.

13 L 697	189-1	3.5-1.2	4	.60
13 L 698	189-2	5.4-1.3	6	.63
13 L 699	189-3	7.3-1.4	8	.65
13 L 700	189-4	9.1-1.5	10	.68
13 L 701	189-5	11 -1.7	12	.70
13 L 702	189-6	13 -1.8	14	.72
13 L 703	189 26†	4.1 1.3	6	.72

BUD CAPACITORS

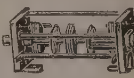
"MC" MIDGETS



Sturdy, highly efficient midget variables. Single and double-bearing types; *double. Fit ⅜" dia. hole. Cadmium-plated brass rotor and stator plates. Steatite insulation. .024" air-gap. 7 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	EACH
13 L 530	1850*	15	3	3	1.82
13 L 531	1852*	33	4	5	1.88
13 L 532	1853*	50	5	7	2.48
13 L 533	1855*	100	7	14	2.70
13 L 534	1856*	140	7	19	2.78
13 L 535	1858*	190	9	27	3.00
13 L 536	1859*	235	10	33	3.45
13 L 537	1860*	300	12	43	3.75
13 L 538	1870	15	3	3	1.80
13 L 539	1872	33	4	5	1.88
13 L 540	1873	50	5	7	1.95
13 L 550	1875	100	7	14	2.10
13 L 551	1876	140	8	19	2.40

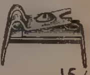
TINY MITE 2 & 3-GANG CAPACITORS



Compact, 3-gang capacitors designed for high frequency use. Ideal for converters, preselectors and receivers covering Amateur, TV and FM bands. Soldered brass plates and ceramic brackets 4¼" long. Rotor shafts extend ¼" at rear. *LC-1660 is 2-gang. Metal parts cadmium plated. Av. shpg. wt., ¼ lb.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	EACH
13 L 555	*LC-1660	15	3	5	3.30
13 L 552	LC-1845	11	5	5	5.25
13 L 553	LC-1846	17	5	7	5.85
13 L 554	LC-1847	25	6	9	6.23

MIDGET TRIMMER

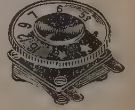


Type MT-833. For antenna coupling, interstage coupling and receiver tracking applications. Has screw adjustment. Max. cap., 36 mmf; min. cap., 3 mmf. Wt., 4 oz.

13 L 510 .... 15¢

VARIABLE TUNING CAPACITOR WITH DIAL

- **Broadcast Band Dial**
- **Small and Compact**

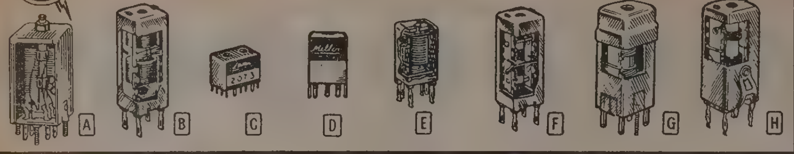


Miniature single-gang capacitor for use in TRF broadcast band and experimental receivers—ideal for transistor circuits. Capacity variable from 10 to 365 mmf. Has 1¼" diameter, clear plastic tuning dial with milled edges. Calibrations in silver numerals, read from 530 to 1600 kc. 180° rotation. Size, only 1" square x ½" deep; shaft ¼". Wt., 5 oz.

17 L 091 .... 69¢

J. W. Miller Components

RF COILS AND IF TRANSFORMERS



A wide assortment of IF transformers and coils for both replacement and new-equipment use in TV, FM and AM receivers. Ideal for the repairman, builder and experimenter.

EXACT-REPLACEMENT COLOR TV COMPONENTS

[A] A series of components intended as exact replacements for parts used in various color TV receivers built by R.C.A. Types 6021 through 6027 are designed for use in the 3.58-mc portion; Types 7105-R through 7110-R are for use in the 4.5-mc portion. Transformer tuning is by means of iron cores accessible at both top and bottom. Type 6021 is a bandpass transformer; 6022, a bandpass coil; 6026. Chroma reference oscillator; 6028, Chroma sync. take off. Size, 2¾hx1⅛" sq. Wt., 4 oz.

Stock No.	Mfr's Type	Original Set Mfr. Part No.	EACH
61 G 165	6021	78887	2.06
61 G 166	6022	78888	1.50
61 G 167	6023	78886	3.23
61 G 170	6024	78889	2.59
61 G 171	6025	100430	4.70
61 G 172	6026	78891	3.23
61 G 173	6027	78892	1.62
61 G 175	6029-R	105213	3.88
61 G 176	6030-R	105214	2.47
61 G 177	6031-R	106385	1.15
61 G 178	6032-R	106386	1.23
61 G 179	6033-R	106387	1.23
61 G 180	6034-R	105292	1.06
61 G 300	6035-R	105293	1.06
61 G 302	6036-R	105294	4.23
61 G 303	6337-R	102195	1.18
61 G 304	6338-R	105196	1.94
61 G 305	7105-R	105286	1.15
61 G 306	7106-R	105287	2.94
61 G 307	7107-R	105288	1.76
61 G 308	7108-R	106381	1.26
61 G 309	7109-R	106382	3.00
61 G 310	7110-R	106383	2.00

TRANSISTOR IF TRANSFORMERS (FREQUENCY, 10.7 MC)

[B] High-quality IF, discriminator, and ratio detector transformers for use in battery-operated, transistorized FM receivers. Frequency, 10.7 mc. *Indicates with diodes. With mounting hardware. Size, 2" high by ¾" square. Av. shpg. wt., 4 oz.

Stock No.	Type	Use	EA.
61 G 311	1601	1st IF Input	2.23
61 G 312	1602	2nd IF Intstage.	2.32
61 G 313	1603	3rd IF Output	2.32
61 G 314	1604	Discriminator	2.50
61 G 315	1605	Ratio Detector*	4.70
61 G 316	1606	Ratio Detector	2.21

[B] **Printed Circuit Style.** Same as above, but 2⅛" high by ¾" sq.

Stock No.	Type	Use	EA.
60 G 021	1601-PC	Transistor 1st IF	2.79
60 G 022	1602-PC	Transistor 2nd IF	2.91
60 G 023	1603-PC	Transistor 3rd IF	2.32
60 G 024	1605-PC	Ratio Detector*	5.59

[C] **Subminiature Style.** Same specifications as above, but IF transformers are ½" high by 13/32" sq.; ratio detector, ½x13/32x¾".

Stock No.	Type	Use	EA.
60 G 025	2070	1st IF Input	2.21
60 G 028	2071	2nd IF Intstage	2.21
60 G 029	2072	3rd IF Output	2.21
60 G 038	2073	Ratio Detector	2.65

TRANSISTOR IF TRANSFORMERS (FREQUENCY, 455 KC)

[D] **Subminiature Style.** High-impedance tapped primary winding coupled to low-impedance secondary for optimum energy transfer. 2021 is matching oscillator. ⅝" high by ⅜" sq. Ohms column indicates primary/secondary impedance. 3 oz.

Stock No.	Type	Ohms	Use	EA.
60 G 802	9-C1	25K-600	Input	2.35
60 G 803	9-C2	25K-1000	Output	2.35
60 G 975	2021	(78 mmf tuning capac.)		2.06

TRANSISTOR IF TRANSFORMERS FREQUENCY, 455 KC)

[E] **Miniature Style.** Similar to subminiature style (left, below) but size is ¾" high by ½" sq. Av. shpg. wt., 3 oz.

Stock No.	Type	Ohms	Use	EA.
60 G 002	2031	10K-600	Input	2.06
60 G 003	2032	10K-1000	Output	
60 G 896	2041	25K-600	Input	
60 G 973	2042	25K-1000	Output	
60 G 004	2043	70K-1000	Input	2.06
60 G 005	2044	30K-4000	Output	
60 G 007	2045	70K-500	Input	
60 G 008	2051	100K-1000	Input	

[D] **Microminiature Style.** Similar to subminiature style (left, below) but size is 15/32" high by 9/32" sq. Tuning accomplished by sturdy threaded cup core which engages a threaded coil support. Type 2060 is a matching oscillator. Av. shpg. wt., 3 oz.

Stock No.	Type	Ohms	Use	EA.
60 G 009	2061	50K-800	Input	2.06
60 G 018	2062	30K-500	Intstage	2.06
60 G 019	2063	20K-5K	Output	2.06
60 G 020	2060	(78-100 mmf capac.)		2.06

"MINI MINIATURE" TRANSISTOR IF TRANSFORMERS (455 KC.)

[D] Only ½" high by 13/32" sq. Same type of threaded tuning as microminiatures, above. For use with RCA 2N218 and 2N219 or 2N139 and 2N140 transistors. *Type 2065 matching oscillator requires tuning capacitor from 78 to 110 mfd max. Av. shpg. wt., 3 oz.

Stk. No.	Type	Impedance	Use	EA.
62 G 484	2066	50K-800 ohms	Input	2.06
62 G 485	2067	30K-500 ohms	Instage	2.06
62 G 486	2068	20K-5K ohms	Output	2.06
62 G 488	2065	Matching Oscillator*		2.06

MINIATURE IF TRANSFORMERS

[F] Shell core, permeability tuned IF transformers. For experimental and general replacement use. Tunable powdered iron cores; tuning from top and bottom of shield. *Built-in diode filter capacitors. Size: ¾" sq. x2". With mtg. hardware. Shpg. wt., 4 oz.

Stock No.	Type	Freq.	Use	EA.
60 G 727	12-C1	455 kc	IF Input	1.59
60 G 728	12-C2	455 kc	IF Output	1.59
60 G 787	12-C6	455 kc	IF Output*	1.68
60 G 716	12-C7	455 kc	Input (Batt.)	1.59
60 G 717	12-C8	455 kc	Output (Batt.)	1.59
60 G 718	12-C9	455 kc	Input (AC-DC)	1.59
60 G 719	12-C10	455 kc	Output (AC-DC)	1.59
61 G 317	12-C12	455 kc	Tapped Pri.	1.91
61 G 318	12-C30	455 kc	IF Input	1.59
61 G 319	12-C31	455 kc	IF Output	1.59
61 G 320	12-C45	455 kc	Discriminator	2.65
60 G 729	12-H1	262 kc	IF Input	1.71
60 G 731	12-H2	262 kc	IF Output	1.71
60 G 788	12-H6	262 kc	IF Output*	1.76
61 G 321	13-W1	1500 kc	Input or Inter.	1.62
61 G 322	13-W2	1500 kc	IF Output	1.62
60 G 732	1463	10.7 mc	Input or Inter.	1.91
60 G 733	1464	10.7 mc	Discriminator	2.20
61 G 323	1464-WB	10.7 mc	Discriminator	2.21
60 G 734	1465	10.7 mc	Ratio Detect.	2.29
61 G 324	1465-WB	10.7 mc	Ratio Detect.	2.30
61 G 325	1725	455 kc	Input (xtal.)	1.91
61 G 326	1726	455 kc	Output (xtal.)	1.91
60 G 789	6203	4.5 mc	Input or Inter.	1.94
60 G 790	6204	4.5 mc	Discriminator	2.20
60 G 791	6205	4.5 mc	Ratio Detect.	2.20
61 G 351	6230	....	TV Converter	1.80
61 G 352	6231	44 mc	TV 1st IF	1.80
61 G 353	6232	42.5 mc	TV 2nd IF	1.59
61 G 354	6233	45.5 mc	TV 3rd IF	1.92
61 G 355	6234	44 mc	TV 4th IF	1.50
61 G 327	6260	21.25 mc	I.F. Trans.	2.50
61 G 328	6261	21.25 mc	Discriminator	2.65
61 G 350	6262	21.25 mc	Ratio Detect.	2.65

MINIATURE IF PRINTED-CIRCUIT TRANSFORMERS

[F] For replacement and experimental use in receivers. Shell-core, permeability tuned. Tune from top and bottom of shield. *With diode filter capacitors. ¾" sq. x 2". With mounting hardware. Av. shpg. wt., 4 oz.

Stock No.	Type	Freq.	Use	EA.
61 G 356	13-PH1	262 kc	IF Input	1.68
61 G 357	13-PH2	262 kc	IF Output	1.68
61 G 358	13-PH6	262 kc	IF Output*	1.76
61 G 359	13-PC1	455 kc	IF Input	1.62
61 G 360	13-PC2	455 kc	IF Output	1.62
61 G 361	13-PC6	455 kc	IF Output*	1.71
61 G 362	13-PC7	455 kc	Input (Batt.)	1.62
61 G 363	13-PC8	455 kc	Output (Batt.)	1.62
61 G 364	13-PC9	455 kc	Input (AC-DC)	1.62
61 G 365	13-PC10	455 kc	Outpt. (AC-DC)	1.62
61 G 712	1463-PC	10.7 mc	Input or Inter.	1.91
61 G 713	1464-PC	10.7 mc	Discriminator	2.20
61 G 717	1465-PC	10.7 mc	Ratio Detect.	2.30
61 G 718	6203-PC	4.5 mc	Input or Inter.	2.03
61 G 735	6204-PC	4.5 mc	Discriminator	2.20
61 G 792	6205-PC	4.5 mc	Ratio Detect.	2.20
61 G 796	6230-PC	44 mc	TV Converter IF	1.91
61 G 913	6231-PC	44 mc	TV 1st IF Trap	1.82
61 G 919	6232-PC	42.5 mc	TV 2nd IF	1.82
61 G 924	6233-PC	45.5 mc	TV 3rd IF	1.82
61 G 941	6234-PC	44 mc	TV 4th IF	1.62

EXACT-REPLACEMENT IF COILS

[G] Exact replacements for IF transformers and coils used in TV sets and radios. With mtg. clip. ¾x¾x2". Av. wt., 4 oz.

Stock No.	Type	Original Set Part No.	EA.
61 G 942	12-C11	RTL-143 and 163	1.59
61 G 943	12-C13	RTL-172	2.06
61 G 944	6206-PC	RTD-026 (WT56X38)	3.23
61 G 945	6207-PC	RTD-025 (WT56X37)	2.44
61 G 946	6208-PC	RTD-020	2.91
61 G 947	6209-G1	RTD-024 (WT56X36)	2.79

MINIATURE "J-TRAN" TOP-TUNED IF TRANSFORMERS

[H] Units have hollow hexagonal-hole cores for either double or single-ended tuning. Mount by snap fastener. ¾x¾x2". *With diode filter. Av. wt., 4 oz.

Stock No.	Type	Freq.	Use	EA.
61 G 948	14-H1	262 kc	IF Input	1.76
61 G 951	14-H2	262 kc	IF Output	1.76
61 G 953	14-H6	262 kc	IF Output*	1.85
61 G 954	14-C1	455 kc	IF Input	1.59
61 G 955	14-C2	455 kc	IF Output	1.59
61 G 956	14-C6	455 kc	IF Output*	1.76
62 G 465	14-C7	455 kc	Input (Batt.)	1.59
62 G 466	14-C8	455 kc	Output (Batt.)	1.59
62 G 467	14-C9	455 kc	Input (AC-DC)	1.59
62 G 468	14-C10	455 kc	Outpt. (AC-DC)	1.59
62 G 469	6270	4.5 mc	Input or Inter.	1.71
62 G 470	6271	4.5 mc	Ratio Detect.	2.91

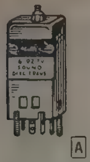
MINIATURE PRINTED-CIRCUIT TOP-TUNED IF TRANSFORMERS

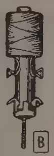
Not illus. Similar to above—both cores may be tuned from either end of the shield. ¾x¾x2". *With diode filter. Av. wt., 4 oz.

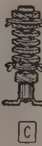
Stock No.	Type	Freq.	Use	EA.
62 G 471	16-PH1	262 kc	IF Input	1.68
62 G 472	16-PH2	262 kc	IF Output	1.68
62 G 473	16-PH6	262 kc	IF Output*	1.85
62 G 474	16-PC1	455 kc	IF Input	1.62
62 G 475	16-PC2	455 kc	IF Output	1.62
62 G 476	16-PC6	455 kc	IF Output*	1.76
62 G 477	16-PC7	455 kc	Input (Batt.)	1.62
62 G 478	16-PC8	455 kc	Output (Batt.)	1.62
62 G 479	16-PC9	455 kc	Input (AC-DC)	1.62
62 G 480	16-PC10	455 kc	Outpt (AC-DC)	1.62
62 G 482	6270-PC	4.5 mc	Input or Inter.	1.71
62 G 483	6271-PC	4.5 mc	Ratio Detect.	2.91

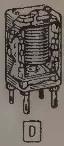
J. W. Miller Components

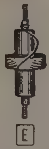
J. W. MILLER COILS, CHOKES, INDUCTORS AND TRANSFORMERS

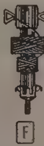


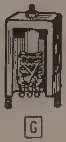


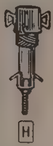


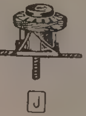


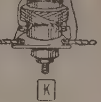


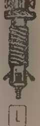












SOUND DETECTOR AND OSCILLATOR TRANSFORMERS

A] Quality TV components. Type 1468 is a sound ratio detector transformer for 4.5 mc F in sets using inter-carrier sound system; ill provide good operation with only one or wo stages of amplification preceding it. Type 194 has two coupled windings: one tapped for orizontal oscillator circuit; the other center-apped and balanced for a sine-wave discrimi-ator arrangement (synchrolock). Type 6183 as dual windings for sync. frequency and hase circuit. All have aluminum shields with -32 spade bolt mtg. Sizes: Type 1468, 1⅛x ⅛x2⅛"; Types 6194 and 6183, 1 7/16x1 7/16x2½". v. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Description	EACH
61 G 089	6183	Horizontal Oscillator	2.06
61 G 090	6194	Horizontal Oscillator	2.00
61 G 091	1468	Ratio Detector	2.41

SYNC STABILIZER (RINGING) COIL

B **Type 6210.** Has bakelite form with 7/16" mounting clip. 16-42 mh range. Size, ¾x 1½". Shpg. wt., 2 oz.
61 G 092 .... 1.62

HORIZONTAL LINEARITY AND WIDTH CONTROLS

B Iron-core variable inductance coils for horizontal sweep circuits. Permit adjustments ver a wide inductance range to obtain the roper match for best operating characteristics. *Has AGC winding. Mtg. clip fits 5/16" hole; /16" hole with adapter supplied. Size, ¾x2½" long max. on phenolic forms. †Parallel and series inductance ranges listed. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Millihenries Range	EA.
61 G 093	6313	.5-5	1.29
61 G 094	6314	2.0-18	1.21
61 G 095	6315	4.0-30	1.29
61 G 096	6316*	4.0-30 (2.8-6.5 AGC)	1.76
61 G 097	6318	.2-3	1.09
61 G 098	6319	15.0-60	1.62
61 G 099	6322	1.5-10	1.21
61 G 100	6324	60-130 tapped	1.62
60 G 039	6325*	4.2-30 (.78-1.37 AGC)	1.62
60 G 041	6326†	2.5-19 par; .18-1.7 ser	2.19
60 G 044	6327†	4-30 par; .225-2.4 ser	2.19
60 G 046	6328*	9-24 (.19-1.1 AGC)	1.62
60 G 047	6329	2.2-10 tapped	1.47
60 G 049	6330	45-215	1.76
60 G 050	6331†	4-30 par; .08-.7 ser	2.03
60 G 051	6195	.185-1	.97
60 G 052	6196	.054-.245	.82
60 G 053	6196A	.054-.5 tapped	.94
60 G 054	6197	.55-2.3 tapped	.94
60 G 055	6198	.17-.61	.82
60 G 056	6199A	1.3-4.1 tapped	1.00
60 G 057	6199B	.5-1.7	.97

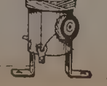
HIGH-VOLTAGE RF POWER SUPPLY TRANSFORMERS

C **Type 4525.** RF power supply transformer for use in TV receivers, cathode ray oscilloscopes, etc. Provides voltage up to 5,000 v. DC. Size, 1¼" dia. x 3¾" high. 4 oz.
61 G 101 .... 5.88

Type 4526. Provides voltage up to 10,000 v. DC (30,000 when used in a voltage rectifier-tripler circuit). Size, 2¼" diameter x 6" high. Shpg. wt., 4 oz.
61 G 102 .... 8.82

CAPACITY-OPERATED RELAY COIL

Type 695. For alarm systems, window displays and other capacity-operated devices. Consists of center-tapped oscillator winding with an adjustable grid coupling capacitor and an RF choke on a bakelite form. ⅞x2¼" high. With wiring diagram. 4 oz.
61 G 057 .... 2.20



STEREO MULTIPLEX FM INDUCTORS

D Designed for stereo multiplex FM tuners and receivers. Units provide necessary separation of AM modulated (L − R) suppressed carrier signal, L + R audio signal, and 19-kc pilot sub-carrier. Generate 38-kc signal and 19-kc pilot sub-carrier. Combine L − R signal into a suitable matrix with L + R signal in such a manner that L signal appears at one output terminal and R signal at another. Types 1356, 1357 and 1358 are for use in a newly designed circuit that eliminates the 19-kc oscillator and resulting sync problems; when used with an improved low-pass filter and detecting system, improved separation results. All are 1 7/32x¾" sq. Wt., 3 oz.

Stock No.	Type	Description	EA.
61 G 000	1351	Low Pass Filter	1.91
62 G 619	1351PC	Printed Circuit Type	1.91
61 G 001	1352	Series Band Pass Filter	1.76
62 G 620	1352PC	Printed Circuit Type	1.77
61 G 002	1353	Shunt Band Pass Filter	1.76
62 G 621	1353PC	Printed Circuit Type	1.91
61 G 003	1354	Locked Oscillator 19 kc	2.50
62 G 622	1354PC	Printed Circuit Type	1.91
61 G 004	1355	Output Trans. 38 kc	2.35
62 G 623	1355PC	Printed Circuit Type	2.21
60 G 058	1356	Output Trans. 38 kc	2.26
60 G 059	1357	Input Trans. 19 kc	2.21
60 G 061	1358	Low Pass Filter	2.35

VIDEO PEAKING COILS AND FILAMENT CHOKE

E Type 6175 is filament choke. Reduces stray coupling, feedback, etc. Others are video peaking coils for proper bandwidth and wave shape of video signals. Coils without shunt resistor wound on plastic forms; shunt types wound on resistor. Over-all size: Type 6175, ⅞x9/32" diameter; all other types, ⅜x3/16" diameter. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	μhys	Shunt	EACH
61 G 103	6172	73	None	56¢
61 G 104	6153	120	None	
61 G 105	6174	500	None	
61 G 106	6175	0.8	None	56¢
61 G 107	6152	20	None	
61 G 108	6176	36	None	
61 G 109	6177	93	None	56¢
61 G 110	6178	120	22 K	
61 G 111	6180	180	None	
61 G 112	6154	200	None	56¢
61 G 113	6181	250	None	
61 G 114	6155	300	None	
60 G 062	6146	600	None	56¢
60 G 063	6148	700	None	
60 G 064	6156	800	None	
60 G 065	6157	950	None	

MINIATURE ADJUSTABLE RF COILS

F Variable-inductance RF coils. Use with tuning capacitors of 250 to 450 max. capacity. Type 70-OSC coil has tapped secondary. 70 series installed self-supported. 71-OSC has 2-tap primary. Both track 100 to 550 kc IF. Max. size: ⅝x1½" high. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	KC Range	EACH
61 G 972	69-OSC	Osc.	540-1600	1.12
60 G 866	70-A	Ant.	540-1600	1.12
60 G 867	70-RF	RF	540-1600	1.12
60 G 868	70-OSC	Osc.	540-1600	1.12
60 G 869	71-OSC	Osc.	540-1600	1.62

ADJUSTABLE RF COILS

G Compact, variable-inductance iron-core coils for replacement use. Shielded type. Use with 250-450 mmf variable capacitors. Oscillator coils have tapped secondary. 1⅜x1⅜x2½". *IF range. Av. wt., 5 oz.

Stock No.	Mfr's Type	Use	KC Range	EACH
60 G 748	73-A	Ant.	500-1800	2.06
60 G 749	73-RF	RF	500-1800	
60 G 752	73-OSC	Osc.	*100-550	

TRANSISTOR OSCILLATOR COILS

H **Type 2020.** Use in one transistor osc. circuit. For 365 mmf capacitor, 455 KC IF. ⅝x1⅛". Shpg. wt., 3 oz.
60 G 895 .... 1.62

Type 2022. Similar to above, except for use with variable capacitor 78-100 mmf max.
60 G 974 .... 1.62

J K Cover 540 to 1600 kc with 365 mmf variable capacitor. Series 5480, for use unshielded, have single-section secondary with high-impedance primary for pentagrid converter tubes. Series 5481 similar but no primary and secondary is tapped for cathode return; use with 6SA7 and similar mixer tubes, and when separate oscillator/mixer tubes are employed. All are 1x1". Av. wt., 4 oz.

Stock No.	Type	Fig.	IF kc	Padder mfd	EACH
60 G 743	5480C	K	455	.0004	1.12
62 G 597	5480H	K	262	.0006	
62 G 598	5480K	K	175	.001	
61 G 965	5481C	J	455	.0004	
62 G 600	5481H	J	262	.0006	
61 G 980	5481K	J	175	.001	

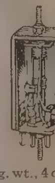
HIGH "Q" BROADCAST RF COILS

L High-efficiency, unshielded, iron-core coils. Adjustable core. Range indicated obtained using 365 mmf variable capacitor. Mount in ¼" hole. *Padder values shown for 455 kc IF. Size: ⅜x2". Shpg. wt., 4 oz.

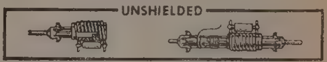
Stock No.	Mfr's Type	Use	KC Range	EACH
64 G 398	A-5495-A	Antenna	550-1700	1.62
64 G 399	A-5495-RF	RF	550-1700	
64 G 400	A-5495-C	Std. Osc.	*400 mmf	
64 G 401	A-5496-C	Tap'd Osc.	*400 mmf	

NEW 40-MC ENCASED TV PICTURE IF TRANSFORMERS

For use in TV sets with picture IF carrier at 45.75 mc, sound carrier IF at 41.25 mc, and sound inter-carrier IF at 4.5 mc. Picture IF covers band of 41.75-45.75 mc; with proper circuit capacitances, adjustable windings are tunable within this range. Type 6215 and 6216 have 75-ohm link windings. Type 6217 and 6218 each have two permeability-tuned windings, one of which is a trap. All are 2¼" high by ⅞" sq. except type 6240, which is 2⅜" high by 1⅛" sq. Av. shpg. wt., 4 oz.



Stock No.	Type	Use	Trap (mc)	EACH
60 G 066	6215	Converter IF	.....	1.76
60 G 067	6216	1st pix IF grid	39.25	2.12
60 G 068	6217	1st pix IF plate	41.25	2.12
60 G 071	6218	2nd pix IF grid	47.25	2.00
60 G 072	6240	43.7 mc video w/diode		4.70



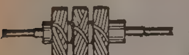
Similar, but unshielded. Max. size, ¾"x2½" long. Mtg. hole, 5/16". Wt., 4 oz.

Stock No.	Type	Use	Trap (mc)	EA.
60 G 073	6219	40-46 mc 3rd/4th/5th IF		.97
60 G 078	6220	40-46 mc converter IF		.97
60 G 081	6221	40-46 mc 1st IF	41.25	1.88
60 G 083	6222	42-48 mc 2nd IF	47.25	1.88
60 G 084	6223	40-46 mc 3rd IF	39.25	1.88
60 G 085	6224	39-46 mc 4th IF		1.0[illegible]
60 G 086	6225	36-49 mc 1 winding IF		1.[illegible]2
60 G 087	6226	Hi-Q trap	40-46	1.00

RF Chokes, Adjustable Coils, Coil Winder

J. W. MILLER CHOKES AND COILS

MOISTURE-RESISTANT RF CHOKES

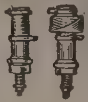


Single layer or 3-pi universal winding insures low distributed capacity. Low-loss molded phenolic or powdered iron core forms. Impregnated with moisture and fungus-resistant varnish. Operate into UHF region. Inductance tolerance ±20%. 1½" leads. Phenolic form, ¾x3/16" dia. Iron core form, ⅞x7/32" dia. Av. shpg. wt. 2 oz.

PHENOLIC FORM—SINGLE LAYER

Stock No.	Mfr's Type	µhy	Q Min.	Min. Fo(Mc)	EACH
62 G 943	4580	.10	56	392	44¢
62 G 944	4582	.15	64	348	
62 G 961	4584	.22	76	320	
63 G 823	4586	.33	80	295	
63 G 824	4588	.47	83	250	
63 G 825	4590	.68	90	218	
63 G 826	4592	.75	92	214	44¢
63 G 827	4594	.84	89	206	
63 G 828	4602	1.00	46	186	
63 G 829	4604	1.50	49	156	
63 G 830	4606	2.40	50	123	
63 G 831	4608	3.90	56	94	
63 G 833	4609	5.50	56	82	47¢
63 G 834	4610	6.20	53	77	
63 G 835	4611	8.20	53	68	
63 G 836	4612	10.0	53	61	
IRON CORE FORM—SINGLE LAYER					
63 G 837	4622	10.0	56	39	50¢
63 G 838	4624	15.0	46	30	50¢
63 G 839	4626	24.0	40	25	53¢
63 G 840	4628	39.0	74	20	53¢
63 G 841	4629	55.0	71	17	56¢
63 G 842	4630	62.0	69	16	
63 G 843	4631	82.0	72	15	
63 G 844	4632	100.0	64	12	
PHENOLIC FORM—3-SECTION					
63 G 845	4642	100	51	8.8	56¢
63 G 846	4644	150	54	7.8	
63 G 850	4646	240	52	6.0	
63 G 851	4648	390	56	4.7	62¢
63 G 853	4649	550	52	3.7	
63 G 854	4650	620	56	3.6	
63 G 855	4651	750	53	3.2	
63 G 856	4652	1000	52	2.5	

ADJUSTABLE CERAMIC RF COILS

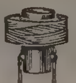


Silicone-impregnated ceramic forms. Powdered iron cores. With mtg. hardware. **Standard:** Form size, ⅜" diameter and 1 1/16" long; mounts in ¼" hole. **Miniature:** ¼x⅞"; mounts in 3/16" hole. **Subminiature:** 3/16"x⅝"; 11/64" mtg. hole.

STANDARD

Stock No.	Type	Min. µh	Max. µh	EACH
60 G 982	4400	Form only		1.11
60 G 983	4403	0.9	1.6	1.59
60 G 984	4404	1.5	3.2	1.62
60 G 985	4405	3.1	6.8	1.65
60 G 986	4406	6.7	15	1.71
60 G 987	4407	14.8	31	1.76
60 G 988	4408	30	69	1.79
60 G 989	4409	68	130	1.85
60 G 990	4410	126	250	1.88
60 G 991	4411	245	475	1.91
60 G 992	4412	450	800	1.94
60 G 993	4413	750	1400	1.97
MINIATURE				
60 G 870	4500	Form only		1.03
60 G 871	4502	1.0	1.6	1.47
60 G 872	4503	1.6	2.8	1.53
60 G 873	4504	2.8	5	1.56
60 G 874	4505	5	9	1.62
60 G 875	4506	9	16	1.68
60 G 876	4507	16	24	1.73
60 G 877	4508	24	35	1.76
60 G 878	4509	35	60	1.79
60 G 879	4511	60	120	1.82
60 G 880	4512	110	200	1.85
60 G 881	4513	190	330	1.88
SUBMINIATURE				
60 G 995	4300	Form only		1.03
60 G 996	4301	.17	.27	1.47
60 G 997	4302	.27	.41	1.47
60 G 998	4303	.40	.65	1.53
60 G 999	4304	.64	.95	1.56
60 G 927	4305	.94	1.55	1.62
60 G 928	4306	1.50	2.57	1.68
60 G 929	4307	2.50	4.40	1.73
60 G 930	4308	4.30	7.15	1.76
60 G 931	4309	7.10	12.50	1.79
60 G 932	4310	12.40	20.30	1.82
60 G 933	4311	20.10	32.80	1.85
60 G 934	4312	32.50	51.50	1.88
60 G 941	4313	51.0	102	1.91

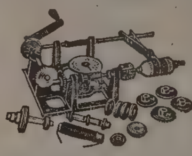
PRINTED CIRCUIT RF CHOKES



Air-core RF chokes specifically for printed circuit boards. Wide range of inductances for transmitters, receivers, test equipment. Varnish impregnated to resist moisture. Printed-circuit mounting lugs. Forms are ⅞" long. Max. Current: Types 970-980, 125 ma; 982, 984, 100 ma; 987-989, 75 ma; 990 994, 50 ma. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Mh	Ohms	Dia.	EACH
61 G 061	970	1	17.2	11/16"	.56
61 G 063	972	1.5	21.8	¾"	
61 G 064	973	1.8	24.7	¾"	.59
61 G 067	975	2.7	31.2	13/16"	
61 G 068	976	3.3	34.8	13/16"	.62
61 G 069	977	3.9	38.9	27/32"	
61 G 070	978	4.7	43.2	⅞"	
61 G 071	979	5.6	48	29/32"	
61 G 072	980	6.8	53.6	15/16"	.65
61 G 074	982	10	68	⅞"	.71
61 G 076	984	15	87.7	15/16"	.76
61 G 079	987	27	121	1 1/16"	.94
61 G 080	988	33	209	1"	1.00
61 G 081	989	39	231	1 1/16"	1.03
61 G 082	990	47	263	29/32"	1.06
61 G 083	991	56	292	15/16"	1.12
61 G 084	992	68	326	1"	1.18
61 G 086	994	100	394	1 1/16"	1.29

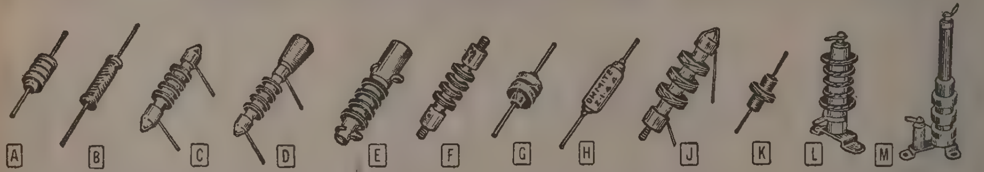
MORRIS "COILMASTER"



Accurate, easy-to-use hand-operated coil winder will produce self-supporting, universal and honeycomb coils; also solenoids, single-layer coils, etc.—A big time-saver—gives your work a professional appearance. Indicator counts coil turns. Easily adjustable for pi spacing and various diameter coil forms. Extremely versatile—accepts No. 22 to No. 40 wire; 3 cams and 4 gears permit winding virtually all types of coils. Less wire, coil forms. Base, 5x5". Wt., 4 lbs.

61 G 053........................6.95

FAMOUS-NAME RF CHOKES FOR EVERY PURPOSE



High-quality RF chokes available in a wide range of inductances for transmitters, receivers, test equipment, etc. Type R-175A is for transmitters with plate supply up to 3000 volts modulated or 4000 volts unmodulated; can be used on all bands from 80 through 6 meters. Type R-154U is for use in 20 to 80 meter transmitters. R-33 and R-50 series are pie-wound; R-33 types have 2 sections; R-50 types, 3 or 4 sections.

Types with suffix "U" have standoff insulator at one end; suffix "ST" means threaded stud at each end. *Indicates wound on powdered-iron form. The four highest frequency Ohmite chokes are on low-power-factor plastic cores; other three are on steatite tubes. †Iron-core type. §Indicates on standoff insulator for vertical mounting applications. ‡Millihenries. **Microhenries. Av. shpg. wt., 2 oz.

Stock No.	Mfr.	Type	Fig.	‡Mh	Ma	Ohms	EA.
61 G 115	National	R-33	G	11**	350	1.8	.36
61 G 116	National	R-33	G	50**	225	3.5	.36
61 G 117	National	R-33	G	100**	200	5.0	.36
61 G 118	National	R-33	G	750**	125	16	.36
61 G 119	National	R-50	A	0.5	150	15	.42
61 G 160	National	R-50	A	1.0	135	23	.42
61 G 161	National	R-50	A	2.5	125	38	.42
61 G 162	National	R-50*	A	10.0	115	36	.72
61 G 168	National	R-60	A	2**	1500	.06	.29
61 G 169	National	R-60	A	4**	700	.15	.29
61 G 301	National	R-100	C	2.5	115	44	.57
61 G 367	National	R-100	C	10.0	60	130	1.12
61 G 368	National	R-100U§	D	2.5	115	44	.74
61 G 495	National	R-100S§	E	2.5	115	44	.99
61 G 497	National	R-100S§	E	10.0	60	130	1.49
61 G 498	National	R-100ST	F	2.5	115	44	.66
61 G 503	National	R-154U	L	1.0	600	6.0	2.01
61 G 504	National	R-175A	M	145	800	5.0	3.56
61 G 505	National	R-300	C	0.5	400	7.0	.57
61 G 506	National	R-300	C	1.0	400	11	.57
61 G 507	National	R-300	C	2.5	375	17	.74
61 G 508	National	R-300	C	5.0	325	24	.90
61 G 509	National	R-300U§	D	0.5	400	7.0	.69
61 G 511	National	R-300U§	D	2.5	375	17	.92
61 G 514	National	R-300S§	E	1.0	400	11	1.00

Stock No.	Mfr.	Type	Fig.	‡Mh	Ma	Ohms	EA.
61 G 523	Millen	34103	C	2.5	250	52.5	48¢
61 G 524		34106	J	1.0	300	13.5	48¢
61 G 525		34300-25	K	25**	250	3.4	45¢
61 G 526		34300-50	K	50**	250	5.2	45¢
61 G 527		34300-100	K	100**	250	7.4	45¢
61 G 528	Millen	34300-250	K	250**	250	11	45¢
61 G 529		34300-300	K	300**	250	10.1	
61 G 530		34300-500	G	500**	250	22.3	
61 G 531		34300-1000	G	1000**	250	21.7	
61 G 533		J300-100†	B	100**	50	4.0	
61 G 534	Millen	J300-250†	B	250**	50	6.2	45¢
61 G 535		J300-500†	B	500**	50	14.4	
61 G 536		J300-1000†	B	1000**	50	23.7	
61 G 537		J300-2500†	B	2500**	50	41.3	

Stock No.	Mfr.	Type	Fig.	**µh	Ma	Freq., Mc	EACH
61 G 548	Ohmite	Z.460	H	0.2	1000	320-520	.43
61 G 549		Z-235	H	0.84	1000	160-350	.43
61 G 550		Z-144	H	1.8	1000	80-200	.43
61 G 551		Z-50	H	7.0	1000	35-110	.46
61 G 552		Z-28	....	21	600	20- 60	.57
61 G 553		Z-14	....	44	600	7- 35	.68
61 G 554		Z-7	....	84	1000	3- 20	1.37

Complete CB Outfits with KN-2565 by KNIGHT

Knight KN-2565 23-Channel CB Transceiver

Offers fully crystal-controlled transmit and receive on all 23 channels. Dual-conversion receiver section has 0.5 µv sensitivity, ±3 kc delta tuning control, built-in speaker, squelch standby control, ANL, AVC. Transmitter section has fully-modulated 5-watt input, press-to-talk noise-cancelling mike. Provision for use as a P.A. system with optional PA-7 speaker, below. Also: illuminated RF/S-meter, transistorized 115 VAC/12 VDC power supply. 15 lbs. See back cover.
6 SX 568-G. *$9 Monthly* **169.95**

Complete Mobile CB Outfit No. 1—Save $4.95

All-Knight outfit for reliable mobile Citizens Band communications. You get: **Knight KN-2565 Deluxe 23-Channel CB Transceiver; and Knight AM/CB Cowl-Mounting Whip Antenna with coupler and cables.** KN-2565 is described above. Knight antenna is a chromed telescoping loaded whip hat replaces your auto radio antenna—works on both Citizens Band nd AM broadcast band without changing connections. 18 lbs.
23 SU 784-2G. *$9 Monthly* **176.95**

Complete Mobile CB Outfit No. 2—Save $5.95

For top-notch mobile communications at big savings. Outfit includes: **Knight KN-2565 Deluxe 23-Channel CB Transceiver; Knight 102″ Stainless Steel Mobile Whip Antenna with Deluxe Stainless Steel Spring; Triple Chrome-Plated Steel Bumper Mount with Stainless Steel Strap; 20-ft. RG-58/U Coaxial Cable Transmission Line; PL-259 Connector; Whip Hold-Down Clip.** Shpg. wt., 4 lbs.
3 SU 785-2G. *$9 Monthly* **178.95**

Base-Station CB Outfit No. 3—Save $10.90

Great-performing outfit provides all-channel, all-directional Citizens Band communications. Includes: **Knight KN-2565 Deluxe 23-Channel CB Transceiver; Knight Omnidirectional Ground-Plane CB Antenna; 100-Ft. RG-58-U Coaxial Cable; PL-259 Connectors.** Knight antenna has 17-ft. aluminum radiator and 9-ft. radials. 30 lbs. Express.
23 SU 786-3G. *$10 Monthly* **191.95**

Base-Station CB Outfit No. 4—Save $13.90

rovides superb extended range and reduces unwanted signals. Outfit in-udes: **Knight KN-2565 Deluxe 23-Channel CB Transceiver; Knight 5-Element B Beam Antenna: 100-Ft. RG-58/U Coaxial Cable; PL-259 Connectors.** Knight antenna provides 12.3 db gain, 25 db F/B ratio. Can be used ver- cally or horizontally. Wt., 36 lbs. Express.
23 SU 787-3G. *$11 Monthly* **204.95**

P.A. Outfit No. 5—Save $6.67

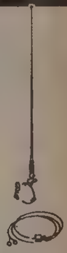
Features top-quality components at big savings. Includes: **Knight KN-2565 Deluxe 23-Channel CB Transceiver; and Electro-Voice PA-7 Sound Projector.** Ideal for indoor or outdoor PA use. 19 lbs.
23 SU 788-2G. *$9 Monthly* **179.95**

Outfit No. 1

Complete Mobile Station
with AM/CB Whip Antenna

Save $4.95

$176.95
$9 monthly

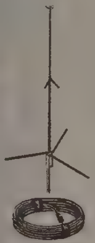


Outfit No. 2

Complete Mobile Station
with 102″ Whip Antenna

Save $5.95

$178.95
$9 monthly

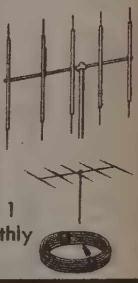


Outfit No. 3

Complete Base Station
with Ground-Plane
Antenna

Save $10.90

$191.95
$10 monthly

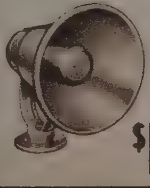


Outfit No. 4

Complete Base Station
with 5-Element
Beam Antenna

Save $13.90

$204.95
$11 monthly



Outfit No. 5

for PA Applications

with E-V PA-7
Horn Speaker

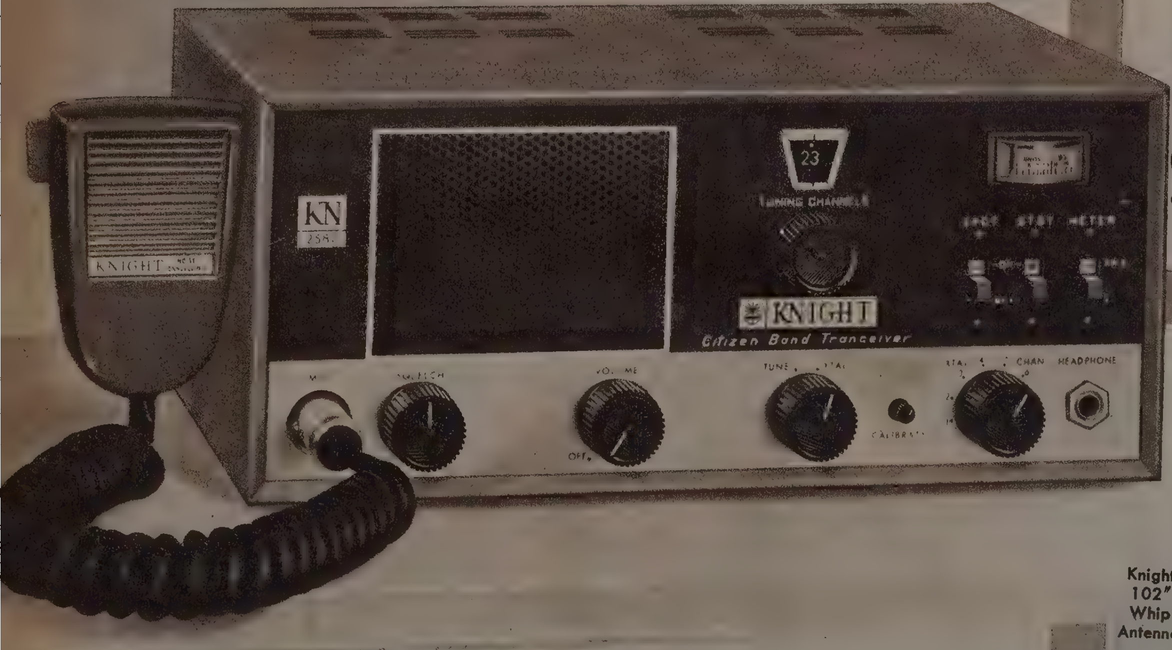
Save $6.67

$179.95
$9 monthly

Outfit Your CB Station on Allied's Credit Fund Plan

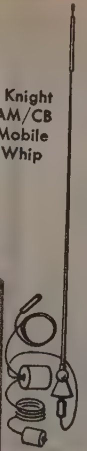
KNIGHT KN-2580 CB Transceiver

PLUS COMPLETE MOBILE AND BASE STATION OUTFITS THAT PROVIDE DELUXE COMMUNICATIONS AT LOWEST COST



New KN-2580 Comes Complete with Press-to-Talk Noise-Canceling Ceramic Mike, Crystals for Channel 7, Built-In 115 VAC/12 VDC Power Supply

Low-Cost Complete Mobile Citizens Band Outfit



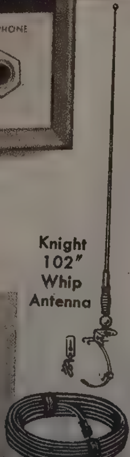
Knight AM/CB Mobile Whip

Save $5.95 | **$115^95** **$6 monthly**

Complete low-cost outfit for mobile CB communications. You get: **Knight KN-2580 CB Transceiver, Mike, Cord, Crystals for Channel 7; and Knight AM/CB Cowl-Mount Whip with cables and plugs.** Connects to auto radio and KN-2580, permits dual-band use without switching. Chromed telescoping whip has singie-hole chrome cowl mount. 18 lbs. Express.

23 SU 932-2G........**115.95**

Complete Deluxe Mobile Citizens Band Outfits



Knight 102" Whip Antenna

Save $6.95 | **$117^95** **$6 monthly**

For deluxe mobile communications. You get: **Knight KN-2580 CB Transceiver, Mike, Cord, Crystals for Channel 7; Plus Knight 102" Mobile Whip Kit.** Includes stainless steel whip antenna, deluxe spring, universal stainless steel strap bumper mount, 20-ft. RG-58/U coax, PL-259 connector, whip hold-down clip. Efficient omnidirectional coverage. Shpg. wt., 22 lbs. Shipped Express.

23 SU 933-2G........**117.95**

New Knight KN-2580 5-Watt CB Transceiver

PROVISION FOR CRYSTAL-CONTROLLED TRANSMIT AND RECEIVE ON 8 CHANNELS

Complete

$\$109^{95}$

$6 monthly

- Engineered for Greater Talk Power and Crystal-Clear Reception
- Superhet Receiver Section Has Nuvistor RF Stage for 1 μv Sensitivity
- Powerful 5-Watt Transmitter Section Has 100% Modulation Capability
- Vernier Manual Tuning Knob—Illuminated Window Indicates Channel In Use
- Built-In Transistorized Power Supply for 115 VAC and 12 VDC Operation

COMPARE THESE DELUXE FEATURES
Never Before at This Low Price

XTAL
CHAN
3
2
1

Switch Selects from Eight Crystal-Controlled Transmit and Receive Channels

Tinted No-Glare Edge-Type Illuminated Meter Reads "S" Units and Relative RF Output

Ceramic Press-to-Talk Noise-Canceling Mike on Coiled Cord for Top CB Communications

Fine Tune Control Lets You Calibrate Receiver For Accurate Tuning On All 23 Channels

SPOT
STBY
METER
ON
OFF
PWR
S

Three Front-Panel Slide Switches Control Meter Function, Standby Mode, and Channel Spot.

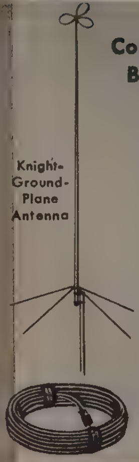
Newly designed for 1965, the fabulous KN-2580 gives you many more features than ever before possible at this low price. Engineered by Citizens Band experts for greater talk-power and crystal-clear reception, the KN-2580 offers latest up-to-the-minute circuitry. Brings you superb communications performance, plus a host of deluxe operating advantages that you'd usually expect to find only in units costing much more.

Offers provision for full crystal control of both transmit and receive functions on your choice of any 8 CB channels, plus 23 channel manual receiver tuning. A front-panel switch selects the desired crystal channel, another chooses either manual tuning or crystal-controlled receiver operation. For manual tuning, receiver has vernier-type knob with an illuminated window that indicates channel in use. An exclusive fine-tuning control enables accurate channel indication on all 23 channels.

The superhet receiver section has a nuvistor RF amplifier stage for high signal-to-noise ratio and 1 μv sensitivity, 3 stages of IF amplification for high selectivity. Automatic noise limiter stops ignition and other types of interference; automatic volume control stops fading and blasting. Powerful audio section provides crisp, clear sound through the built-in 3" speaker; volume control has on-off switch; headphone jack permits private listening. Adjustable squelch circuit silences the receiver between calls, and a standby switch reduces mobile power drain when unit is not in use.

The husky 5-watt transmitter section offers 100% modulation capability. Efficient output circuit matches 30-100 ohm antennas. Ceramic press-to-talk microphone cancels out background noises to provide maximum talk-power and clarity. Electrical antenna switching circuit eliminates troublesome relays. Built-in transistorized power supply permits economical 115 VAC fixed-station, low-drain 12 VDC mobile-station operation. Size, 5x11x6⅝". Handsome cabinet has blue wrinkle finish with striking charcoal and brushed aluminum panel. Illuminated edge-type meter reads relative RF output power and "S" units, has tinted no-glare cover. With crystals for Channel 7. Shpg. wt., 14 lbs.

86 SX 625-G. *$6 Monthly*. 109.95
90 SS 366. Transmit Crystals. Specify Channel 1-22. 3 oz. 2.50
90 SS 358. Receive Crystals. Specify Channel 1-22. 3 oz. 2.50

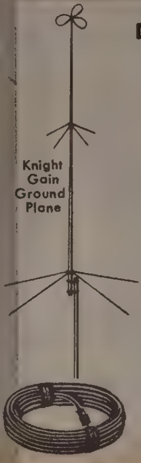


Complete Omnidirectional Base-Station CB Outfit

Save $6.90 | $\$124^{95}$ $7 monthly

Includes everything you need for efficient omnidirectional Citizens Band communications. You get: **Knight KN-2580 CB Transceiver, Mike, Cord, Crystals for Channel 7; New Knight CB Ground-Plane Antenna; 100-Ft. RG-58/U Foam Coax; PL-259's.** 9-ft. antenna has low radiation angle and high signal-to-noise ratio. 27 lbs. Express.

23 SU 930-3G 124.95



Deluxe Omnidirectional Base-Station CB Outfit

Save $8.90 | $\$133^{95}$ $7 monthly

Specially selected communications components for deluxe performance at low cost. You get: **Knight KN-2580 CB Transceiver, Mike, Cord, Crystals for Channel 7; New Knight CB Gain Ground-Plane Antenna; 100-Ft. RG-58/U Foam Coax; PL-259's.** Colinear antenna provides 6 db gain; low radiation angle, plus high signal-to-noise ratio for top communications efficiency. Wt., 30 lbs. Express.

23 SU 931-3G 133.95

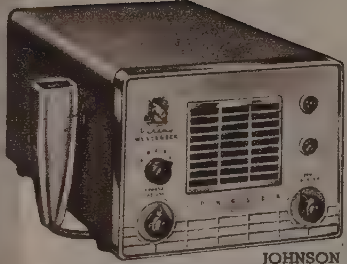
Budget-Priced CB Transceivers

FREE

When You Buy a CB-7, "Messenger I" or Mark VIII Transceiver

50 ft. of RG58/U Poly-Foam Coax Cable with 2 PL-259 Plugs

Save $5.50 on each purchase



JOHNSON
"Messenger I"

Johnson "Messenger I" Transceiver

- **Up to 5 Crystal-Controlled Transmit-Receive Channels**
- **Full 5-Watt Input • AC and DC Power Supplies**
- **Automatic Noise Limiter • Adjustable Squelch**

A popular, performance-proven transceiver. Boasts a sensitive and selective superhet receiver with automatic noise limiter and adjustable squelch. Transmitter operates at full legal input of 5 watts, fully modulated. Switch selects any one of up to 5 crystal-controlled transmit-receive channels. Has two function-indicator lights. Chrome trimmed case, 5⅝x7x11⅜". For 110-120 v., 50-60 cycle AC or 12 v. DC. With push-to-talk mike, AC and DC power cords, transmit and receive crystals for one channel. Wt., 18 lbs.

23 SU 300-2G. "Messenger I" and Coax Cable 114.95
90 S 416. Under-Dash Mtg. Kit. 1¼ lbs. **2.50**

RCA
Mark VIII

RCA Mark VIII Transceiver

- **Up to 9 Crystal-Controlled Transmit-Receive Channels**
- **Receiver Tunes All 23 Citizens Band Channels**
- **Full 5-Watt Input • ANL • Adjustable Squelch**

New reduced price for 1965. Efficient 5-watt transmitter. Provision for 9 crystal-controlled transmit-receive channels. Two IF amplifiers. Receiver manually tunes all 23 CB channels, dial is calibrated both in channel numbers and frequencies. Channel being worked is illuminated. Automatic noise limiter. Electronic antenna switching. 3½x11¼x8". For 110-120 v., 60 cycle AC. With push-to-talk mike, transmit-receive crystals for channel 7, crystal marker kit. DC supplies optional, below. Shpg. wt., 12 lbs.

23 SU 301-2G. Mark VIII and Coax Cable.... **114.75**
86 SX 077. 12 VDC Power Supply. 7 lbs. **19.95**
86 SX 078. 6 VDC Power Supply. 7 lbs. **19.95**

hallicrafters

HALLICRAFTERS
CB-7

Hallicrafters CB-7 Transceiver

- **Up to 6 Crystal-Controlled Transmit-Receive Channels**
- **Built-In 115-VAC and 12-VDC Power Supplies**
- **5-Watt Input • ANL • Adjustable Squelch**

Fully equipped for mobile or base station use . . .has AC/DC power supplies and mobile mtg. bracket. Provision for 6-channel crystal-controlled transmit-receive. 5-watt transmitter has 100% modulation capability. All-electronic push-to-talk circuit. Removable panels for easy addition of accessories below. 5x12x7". For 110-120 v. 50-60 cycle AC, 12 v. DC. With mike, AC/DC power cords, transmit-receive crystals for ch. 11. Shpg. wt., 16 lbs.

23 SU 302-2G. CB-7 and Coax Cable. 99.95
90 S 417. HA-9 Illuminated S-Meter Kit. 2 lbs. **8.95**
86 S 564. HA-13 VFO. For 23-ch. rec. tuning. 1 lb. **14.95**

EICO Popular Transceiver . . Kit Form or Factory Assembled

772K Kit	772 Wired	*Reduced $20.00 from last year's Catalog prices*
\$69^{95}	\$99^{95}	

MODEL 772 KIT. 5-watt transmitter has provision for 4 crystal-controlled channels; automatic limiting; variable pi-network to match any antenna. Features preassembled and aligned oscillator subassembly. Superhet receiver manually tunes all 23 channels, can be crystal-controlled on one channel. Automatic noise limiter; variable squelch. 6x8½x9". For 110-120 v., 50-60 cycle AC, 12 v. DC. With mobile mtg. bracket, press-to-talk mike, one transmit crystal, full instructions. 13 lbs.

90 SX 139. *$5 Monthly*. 69.95
90 SX 140. Model 772. Factory Assembled. *$5 Monthly*. ..**99.95**
90 SS 371. Extra Transmit Crystal. Specify ch. 1-22. . Each **2.50**
90 SS 356. Receive Crystal. Specify channel 1-22. .... **2.50**

Use as Mobile or Base Station . . . has AC and DC Power Supplies

For Extra Citizens Band Crystals, See Page 315

with Special Money-Saving Bonus Offers

Multi-Products Citi-Fone CD-5A

- Base Station or Mobile Operation
- 5-Watt Transmitter • 100% Modulation
- 5 Crystal-Controlled Channels
- Automatic Noise Limiter • Adj. Squelch
- Plugs into Car Cigarette Lighter

Features heavy-duty power supply, "noise-immune" squelch circuit with sharp cut-off characteristic, mike preamplification, and transmitting audio that develops full envelope modulation. Superhet receiver has excellent sensitivity and selectivity. Transmitter operates at full, legal 5-watt input. Switch selects any 1 of 5 channels —both receiver and transmitter are crystal-controlled. Power plug fits into car cigarette lighter for easy mobile hookup. 4½x8x11". For 110-120 v., 50-60 cycle, AC, or 12 v., DC. With press-to-talk mike, AC and DC power cords, crystals for one channel.

23 SU 303-3G. With GP-500. 25 lbs. 139.50

23 SU 304-3G. With KN-2576. 22 lbs. **139.50**

23 SU 305-3G. With AM/CB. 18 lbs. **139.50**

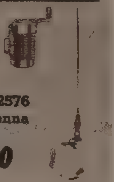
FREE

Your Choice of Any One of the Antenna Bonus Packages Below When You Buy Any Transceiver on Page

100-ft. of RG58/U Coax

Hy-Gain GP-500 Ground Plane

Save $23.90



Cesco 3-30 Noise Filter

Knight KN-2576 Whip Antenna

Save $17.90

Cesco 3-30 Noise Filter

Knight CB/AM Combination Whip Antenna

Save $14.90

Johnson "Messenger II"

- Up to 10 Crystal-Controlled Channels
- Receiver Tunes All 23 CB Channels
- Has AC and DC Power Supplies
- Excellent Adjacent-Channel Rejection
- AVC • ANL • Adjustable Squelch

Excellent as base station or as mobile unit. Transmitter has full, legal 5-watt input with 100% modulation. Extra-sensitive superhet receiver features automatic noise limiter, automatic volume control, and adjustable squelch circuit. Adjacent-channel rejection is outstanding. Operates on up to 10 crystal-controlled transmit-receive channels. Channel in use is indicated by illuminated letter. Receiver manually tunes all CB channels. Size, 5⅝x7x11⅜". For 110-120 v., 50-60 cycle AC. or 12 v., DC. With push-to-talk mike, transmit-receive crystals for one channel.

23 SU 306-3G. With GP-500. 28 lbs. 169.95

23 SU 307-3G. With KN-2576. 25 lb. **169.95**

23 SU 308-3G. With AM/CB 20 lb. **169.95**

Heavy-Duty Construction

E.C.I. "Fleet Courier" Transceiver

- Up to 5 Crystal-Controlled Channels
- 0.25 μv Sensitivity for 6-db S/N Ratio
- Chrome-Plated Heavy-Gauge Steel Case

For the operator who needs dependability under difficult conditions. Switch selects any one of 5 crystal-controlled transmit-receive channels for drift-free communications. Fine for fixed station or mobile use—operates from 110-120 v., AC, or 12 v., DC. Sensitive superhet receiver boasts extremely good selectivity—4-kc at 6-db down. Maximum legal 5-watt-input transmitter section has pi-network coupling. Front panel is of extra-heavy .091"-thick aluminum. 5½x8¼x11". Complete with transmit-receive crystals for one channel, press-to-talk microphone, and power cords for AC and DC.

23 SU 333-3G. With GP-500. 32 lbs.............159.50

23 SU 334-3G. With KN-2576. 29 lbs............**159.50**

23 SU 335-3G. With AM/CB. 24 lbs............**159.50**

Hallicrafters CB-3A Transceiver

- Up to 8 Crystal-Controlled Channels
- 5-Watt Input • 100% Modulation Capability
- Sensitive Dual-Conversion Receiver

Dual-conversion receiver provides 6-kc selectivity and 40-db adjacent channel rejection. Provision for 8 crystal-controlled transmit-receive channels. Receiver sensitivity is better than 1 μv for 10-db S/N ratio. Adjustable squelch and dual limiters reduce impulse-type interference. 5-watt loop-neutralized transmitter has link-coupled output to match 25 to 75 ohms. Has removable panels for adding optional accessories (see facing page under Hallicrafters CB-7). 5½x12x8". For 110-120 v., 50-60 cycle AC, or 12 v., DC. With push-to-talk mike and transmit-receive crystals for channel 11.

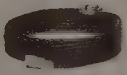
23 SU 309-3G. With GP-500. 23 lbs............159.95

23 SU 310-3G. With KN-2576. 23 lbs...........**159.95**

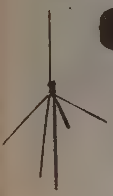
23 SU 311-3G. With AM/CB. 18 lbs............**159.95**

Transistorized CB Transceivers

FREE! Any one of three Antenna Packages shown below, when you buy any CB transceiver on this page. You get savings of up to $24.59.



100-ft. RG58/U Coax

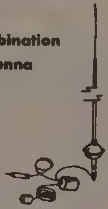


Antenna Specialists MC-27 Ground Plane

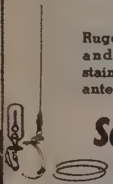
Save $24.59

Knight KN-2575 Combination CB/AM Whip Antenna

One antenna receives AM and Citizens Band signals . . no switching



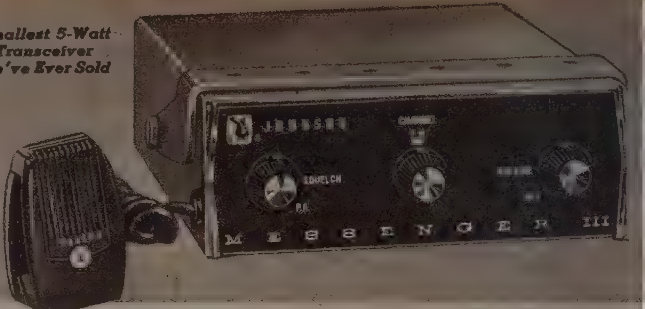
Save $11.95



Rugged bumper mount and Knight KN-2576 stainless steel 102" whip antenna.

Save $14.95

Smallest 5-Watt Transceiver We've Ever Sold



New Johnson "Messenger III" Miniature CB Transceiver

- Up to 11 Crystal-Controlled Channels
- Draws as Little as 50 ma on "Receive"
- Deluxe Dual-Conversion Receiver
- Two-Stage Adjustable Squelch Circuit

A tiny transceiver that's fully transistorized and has all the features most people want. Measuring only $2\frac{3}{16}$x$6\frac{3}{16}$x$8\frac{3}{4}$", this unit is equipped with a 12-VDC power supply for outstanding mobile operation, or can take optional AC supply (below). Low current-drain 18-transistor, 8-diode circuitry. Transmitter delivers higher-than-average output from 5-watt legal input limit. Extra-sensitive and sharp-selective receiver section uses high first IF (4.3 mc) for excellent spurious signal and image rejection. Specially designed circuitry eliminates need for constant readjustment of controls. Also offers switch-controlled changeover to 3-watt P.A. system while continuing to receive incoming calls. With push-to-talk dynamic microphone, under-dash, mtg. bracket, and crystals for one channel.

23 SU 319-3G. With MC-27 and 100' Coax. *$10 Monthly*. 18 lbs.	189.95
23 SU 320-2G. With KN-2575. *$10 Monthly*. 12 lbs.	**189.95**
23 SU 321-2G. With KN-2576. *$10 Monthly*. 17 lbs.	**189.95**
86 SX 498. AC Power Supply. For 110-120 v., 60 cycle AC. 5 lbs.	**29.95**

hallicrafters
TRANSISTORIZED
CHANNEL
VOLUME
P.A.

CADRE
CHANNEL
TUNE

New Hallicrafters CB-10 Transceiver

New from Hallicrafters, a compact, fully transistorized transceiver with built-in paging system that's a real help on construction work, farm work and boats. Has provision for up to 5 crystal-controlled transmit-receive channels. Dual-conversion receiver has excellent image and adjacent-channel rejection. Sensitivity, less than 1µv for 10-db signal-to-noise ratio. Series-type noise limiter sharply reduces ignition and other pulse-type interference. Incorporates a 3-stage, 5-watt (legal limit) transmitter with 100% high-level modulation capability. Two pi-networks (80-db minimum) reduce interference to nearby TV sets. Output, 50 ohms. Smartly styled cabinet offers easy access to transistors and crystals. Size, $2\frac{5}{8}$x6x$9\frac{1}{2}$". Complete with crystals for one channel, and push-to-talk ceramic microphone. For 12 volts, DC only.

23 SU 336-3G. With MC-27 and 100' Coax. 25 lbs.	149.50
23 SU 337-2G. With KN-2575. 19 lbs.	**149.50**
23 SU 338-2G. With KN-2576. 24 lbs.	**149.50**

Versatile Cadre 510A CB Transceiver

The 510A has 18 transistors and 8 diodes for exceptionally low current drain—ideal for mobile or portable use. Features all-channel vernier tuning and provision for 5 crystal-controlled transmit-receive channels. Dual-conversion receiver has ½-µv sensitivity, adjustable squelch, automatic noise limiter, and phone jack. 5-watt transmitter has speech clipping and pi-network output. Converts to portable operation with special (optional) power pack, below. $3\frac{1}{8}$x$11\frac{3}{8}$x$5\frac{3}{8}$". With press-to-talk mike, crystals for channel 11, mobile mounting bracket, and power cords. For 110-120 volts, 60 cycle AC, or 12 volts, DC.

23 SU 312-3G. With MC-27 and 100' Coax. 20 lbs.	189.95
23 SU 313-2G. With KN-2575. 14 lbs.	**189.95**
23 SU 314-2G. With KN-2576. 19 lbs.	**189.95**
86 S 005. 500-1 Portable Power Pack. Has battery charger and whip antenna. 4x12x6". Less batteries, below. 3 lbs.	**32.95**
86 S 006. 500-2 Rechargeable Batteries. (Uses 2.) 14 oz. Ea.	**9.90**

New ECI Transistorized Mobile Power Supply Eliminates Vibrator

$21.90
$5 monthly

A must for the CB'er who wants to improve his mobile operation. Easy to install—just plug it into transceiver's vibrator socket. Increases power output and B+, as it reduces current drain. You say goodbye to annoying vibrator noise, undependable operation. Transistor circuit draws negligible current from car battery. Has all-aluminum heat sink. For 6 or 12 volts, D.C. Wt., 2 lbs.

86 S 676-G. *$5 Monthly*	21.90

Use Your Allied Credit Fund to Buy CB Equipment

23-Channel CB Transceivers with Free Antennas

New ECI "Courier-23"

An extraordinary transceiver with frequency synthesizing circuit that offers full crystal-controlled transmit and receive communications on all 23 CB channels. You'll never need to buy any extra crystals! Channel in use is automatically illuminated. Dual-conversion superhet receiver section provides 0.25 μv sensitivity for 10 db S/N ratio. 3-kc selectivity at 6 db down. Image rejection is better than 60 db. Uses 6-mc and 455-kc IF's. 3-kc bandspread control for razor-sharp tuning. Transmitting section has full legal 5-watt input and 100% modulation. Pi-network matches 30 to 100-ohm transmission lines. Front-panel switch permits receiver's audio amplifier to serve as 3½-watt P.A. system. Illuminated modulation indicator. External-speaker/headphone jack. With push-to-talk mike, mobile mounting bracket, and AC and DC power cords. 4¾x12⅜x7½″. For 110-125 v., 50-60 cycle AC, or 12 volts DC. 26 lbs.

23 SU 315-3G. With MC-27, Coax. 189.50

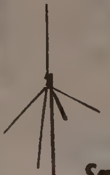
23 SU 316-2G. With KN-2575. 20 lbs. **189.50**

23 SU 317-2G. With KN-2576. 25 lbs. **189.50**

FREE!

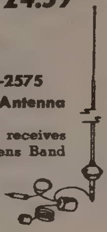
Any one of 3 Antenna Packages shown below with any transceiver on page. Save up to $24.59

100-ft. RG58/U



Antenna Specialists MC-27 Ground Plane

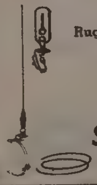
Save $24.59



Knight KN-2575 CB/AM Whip Antenna

One antenna receives AM and Citizens Band

Save $11.95



Rugged Bumper Mount.

Knight KN-2576
Stainless Steel
102″ Whip

Save $14.95

Multi-Products SS Citi-Fone

High-performance transceiver uses crystal synthesizer for crystal-controlled communication on all 23 Citizens Band channels. Excellent for mobile or base operation. All crystals are included—no extras to buy.

Receiver section has sensitivity of 0.5-μv for 10:1S/N ratio. Selectivity, 6 db down for 7-kc total bandpass. Transmitter section has full legal 5-watt input; uses crisp, clean high-level modulation. Working-channel illuminated.

Additional features: automatic gate-type noise limiter; adjustable "noise-immune" squelch; pi-network output; illuminated panel meter that serves as "S" meter in receive mode, and relative output indicator in transmit mode. Size, 8x11x4¼″. With press-to-talk microphone with hanger, mobile mounting bracket, and AC and DC power cords. For 110-120 volts, AC, or 12 volts, DC. 24 lbs.

23 SU 318-3G. With MC-27, Coax. 169.50

23 SU 322-2G. With KN-2575. 18 lbs. **169.50**

23 SU 323-2G. With KN-2576. 23 lbs. **169.50**

New B&K Mark Cobra Transceiver

This new transceiver features a frequency synthesizer providing crystal-controlled, 23-channel transmit-receive operation . . . no extra crystals to buy. Special ±3-kc fine-tuning control helps pull in off-channel stations. Has front-panel modulation indicator. Adjustable squelch control has standby switch to maintain heated filaments while B+ power is cut. Receiver section has 1-μv sensitivity for 10-db signal-to-noise ratio. Selectivity, 6 db down for 5-kc bandpass. Transmitter section has maximum legal 5-watt input. Doubles as P.A. amplifier (front-panel P.A. switch). Also: illuminated "S"/relative power output meter, and external-speaker plug. Only 5⅝x13⅜x7 9/16″. Complete with press-to-talk noise-canceling microphone, power cords for AC and DC, and mobile mounting bracket. For 110-120 volts, AC, or 12 volts, DC.

23 SU 324-3G. With MC-27 and 100′ Coax. 26 lbs. . . . 214.95

23 SU 325-2G. With KN-2575. 20 lbs. **214.95**

23 SU 326-2G. With KN-2576. 25 lbs. **214.95**

UTICA
T&C III

New Utica Model T&C III Transceiver

Feature-packed 23-channel, crystal-controlled transceiver. No extra crystals to buy. Super-sensitive, dual-conversion receiver has adjustable squelch, noise limiter, tone control, fine-tuning and RF-gain controls. Compatible with SSB reception. Full 5-watt transmitter input. Front-panel P.A. switch. Has two illuminated, dual-purpose meters: signal strength/audio output, and relative output power/modulation. Separate transmit and receive panel indicator lights. External-speaker or earphone jack. Key-locked master switch. 5 13/16x13x8 3/16″. With press-to-talk mike and AC power cord. For 110-120 v., AC, or 12 v., DC.

23 SU 327-3G. With MC-27 and 100′ Coax. 34 lbs. . . . 259.95

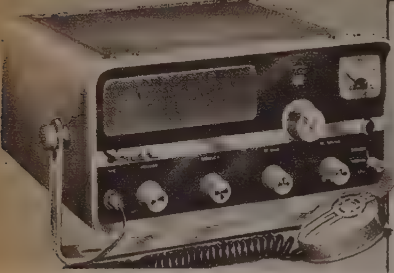
23 SU 354-2G. With KN-2575. 28 lbs. **259.95**

23 SU 355-2G. With KN-2576. 33 lbs. **259.95**

86 S 664-G. 12-VDC Power Cord. 10 oz. **4.80**

86 S 665-G. Mobile Mounting Bracket. 6 oz. **4.95**

Free Antenna With CB Gear—Save Up to $32.90



Sonar FS-23 and Antenna Bonus

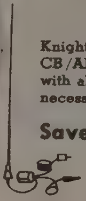
Precision-made transceiver featuring frequency synthesis for 23-channel crystal-controlled transmit-receive and low noise, dual-purpose base-mobile power supply. Dual-conversion receiver offers 0.35 µv sensitivity for 10 db S/N ratio, ±2.5 kc selectivity at 6 db down, automatic gain control, variable squelch, calibrated S meter, 3x5" speaker and external-speaker panel jack. Transmitter section has 5-watts input with 100% modulation capability and press-to-talk. Excellent stability and frequency accuracy. Also: RF gain and receiver incremental tuning controls. Accessory VOX and 2-tone squelch units available, below. Size, 5¾x11¾x11¾". For 115 v. AC/12 v. DC. With mike and coil-cord, power cables, brackets, crystals for 23 channels, **free antenna bonus.** *$15 Monthly.*

23 SU 328-2G. With KN2575. 17 lbs.
23 SU 342-3G. With KN2572 Pkg. 29 lbs.
23 SU 343-2G. With KN2576. 29 lbs.
23 SU 344-3G. With CBB1 Pkg. 23 lbs.

FS-23 With Any of Above	299.95
86 S 480. VOX Unit. Wt., 2 lbs.	**39.95**
86 S 481. Two-Tone Squelch. 2 lbs.	**49.95**

FREE ANTENNA

With Purchase of Any CB Transceiver on This Page



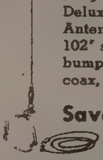
Knight KN-2575 CB/AM Mobile Whip with all cable and necessary connectors.

Save $11.95

Knight KN-2572 Deluxe

Base Ground Plane Package with 100' RG58/U Coax and Connectors.

Save $32.90



Knight KN-2576 Deluxe Mobile Antenna Kit with 102" stainless whip, bumper mount, 20' coax, gutter clip.

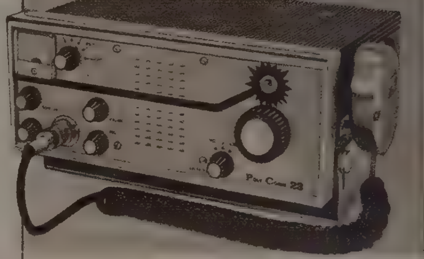
Save $14.95

Mark CBB-1 Base

½-Wave Vertical Package with 100' RG58/U Coax and connectors.

Save $30.90

Polytronics



Poly-Comm 23 and Antenna Bonus

Superb base and mobile communications can be yours with this highly reliable unit! Built-in frequency synthesizer provides full 23-channel transmit-receive—no crystals to buy! Dual-conversion superhet receiver has nuvistor RF and mixer sections for fine sensitivity, selectivity and signal-to-noise figures. Panel meter reads strength of received stations in microvolts, RF watts output to antenna, and modulation percentage from 0 to 100%. Includes: super-sensitive squelch with range control; variable depth limiter; all-electronic switching to eliminate relays; 14 tubes, 10 diodes. 5-watt transmitter matches 52 to 72-ohm antennas. Transceiver doubles as 5-watt amplifier for paging applications. Size, 4½x12x8½". Self-contained power supply for 110-120 v., 50-60 cycle AC/12 v. DC. With push-to-talk ceramic mike, coil-cord, power cables, mobile mounting bracket, transmit-receive crystals for all 23 channels, and **free antenna bonus.** *$15 Monthly.*

23 SU 345-2G. With KN2575. 28 lbs.
23 SU 346-3G. With KN2572 Pkg. 40 lbs.
23 SU 347-2G. With KN2576. 33 lbs.
23 SU 348-3G. With CBB1 Pkg. 37 lbs.

Poly-Comm 23 With Any of Above	299.50

Mark Sidewinder and Antenna Bonus

True single-sideband on the Citizens Band—gets through where AM fails! Unique selectable upper/lower sideband feature doubles effective number of channels—concentrates maximum legal input into 100% "talk power" for greater range. Also: 3-tube noise blanker circuit; "Voice Lock" to adjust pitch of received signal; 3-kc lattice filter for peak selectivity/adjacent-channel rejection; 0.5 µv receiver sensitivity; electronic switching of low-level circuits; precision .0015% crystals and temperature-controlled oven for superb stability; 17 tubes, 9 diodes. 5¼x12x11". For 12 v. DC only. **Not compatible with AM CB units.** With mike, 5 crystals (10 USB/LSB channels), **free antenna bonus.** *$15 Monthly.*

23 SU 330-2G. With KN2575 Antenna Bonus. Wt., 23 lbs.
23 SU 329-3G. With KN2572 Antenna Bonus Pkg. Wt., 35 lbs.
23 SU 331-2G. With KN2576 Antenna Bonus. Wt., 28 lbs.
23 SU 349-3G. With CBB1 Antenna Bonus Pkg. 32 lbs.

Mark Sidewinder With Any of Above Antennas	299.50
86 SX 493. AC Power Supply. For 115 v. AC. 10 lbs.	**29.95**
86 SX 494. Mobile Mounting Bracket. Wt., 1½ lbs.	**9.95**

Built-In Supply for 115 v. AC & 12 v. DC

Polytronics Poly-Comm Pro and Antenna Bonus

Pace-setting transceiver offering 23-channel convenience plus provision for CD or CAP positions. Sharp selectivity assured by Q multiplier with separate peak and null controls. Tunable, dual-conversion superhet receiver employs all-nuvistor front end with primary AGC; has 0.1 µv sensitivity for 6 db S/N. Separate tuning and loading controls, adjustable squelch and P.A. function. Illuminated meter reads signal strength, modulation, RF output, audio output on P.A. position. Transmitter has tunable pi-network; runs 5 watts input. 4½x12x8½". For 110-125 v. AC/12 v. DC. With press-to-talk mike, power cords, 4 transmit crystals (ch. 4, 7, 11, 15), mounting bracket, **free antenna bonus.** *$14 Monthly.*

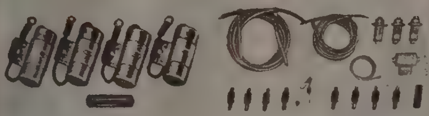
23 SU 350-2G. With KN2575 Antenna Bonus. Wt., 26 lbs.
23 SU 351-3G. With KN2572 Antenna Bonus Pkg. Wt., 38 lbs.
23 SU 352-2G. With KN2576 Antenna Bonus. Wt., 31 lbs.
23 SU 353-3G. With CBB1 Antenna Bonus Pkg. 35 lbs.

Poly-Comm Pro With Any of Above Antennas	269.50
90 SS 355. Extra Trans. Crystal. Spec. ch. 1-23. 2 oz.	**2.50**
90 SS 364. Receive Crystal. Spec. ch. 1-23. 2 oz.	**2.50**

See Pages 316-318 for Full Descriptions of Above Antennas

More Values in CB and Ham Equipment

NOISE SUPPRESSOR KITS



Sonar Kit $5.95

Johnson Kit $15.50

AC Model $159.50
$8 Monthly

DC Model $184.50
$10 Monthly

For Quieter Reception During Your CB, Ham, Business Band, or Other Mobile Communications Work—Choose an Easy-to-Install, Auto/Boat Engine Noise Suppressor Kit

Sonar Noise Suppressor Kit

Solve your ignition noise and electrical interference problems with this quality-engineered yet extremely low-cost outfit! Complete kit consists of 4—1 mfd at 100-volt DC capacitors—for the coil, voltage regulator, and generator; 1 suppressor resistor for installation between the coil and distributor; and detailed, easy-to-follow instructions. For all cars. Shpg. wt., 2 lbs.
86 S 001.......................................5.95

Johnson Noise Suppressor Kit

Everything you need for effective filtering of auto ignition and electrical interference noise! Components furnished will suppress noise from distributor spark, voltage regulator, coil and all spark plugs. Kit includes: 4 efficient coaxial capacitors (1 for generator, 2 for voltage regulator, 1 for coil); 8 spark-plug suppressors; 1 distributor suppressor; 1 voltage-regulator suppressor; sufficient shielded cable and braid for wiring of system. Supplied complete with screws, terminals, all necessary hardware, and detailed instructions for quick and easy installation. May be installed in every automobile make and model. Shpg. wt., 2 lbs.
86 S 010.......................................15.50

Sonar BR-21 150-Watt Linear Amplifier

Versatile grounded-grid linear amplifier gives up to 150 watts input on the 25 to 30-mc Business Band, the 10 or 6-meter Ham bands, or CB Channel 23 (Class C permit required). Needs only 1-10 watts RF excitation (1-30 watts for Ham bands); may be used with AM or FM exciters. Has electronic switching for normal operation of driver or transmitter. Automatic standby/transmit CW keying. Built-in forced-air cooling for continuous-duty work. 50 ohms input/output impedance. Attenuation: harmonics, 60 db; noise, 90 db. Supplied ready for 25 to 30-mc operation, with easy conversion instructions for the 10 or 6-meter Amateur bands. Circuit uses 1—12AT7, 4—6JB6's and 4 silicon rectifiers. Space-conserving all-aluminum cabinet is 4¾x8¼x10¼". With coaxial cable and connector. For 110-120 v., 60 cycle AC. Shpg. wt., 14 lbs.
86 SX 800-G. *$8 Monthly*.......................................159.50
86 SX 801-G. 12-Volt DC Mobile Model. *$10 Monthly*....**184.50**

HHM-2 Mobile Phone Handset and Cradle

Valuable accessory for CB, Ham, Business Band and other mobile stations. Lightweight shock-resistant handset contains efficient high-impedance mike. When taken from cradle, handset mutes your transceiver speaker. Has handy push-to-talk switch where hand grasps phone. With instructions. 3 lbs.
86 S 615-G. *$5 Monthly*..............19.95

Leece-Neville Model 6200 53-Amp Alternator System

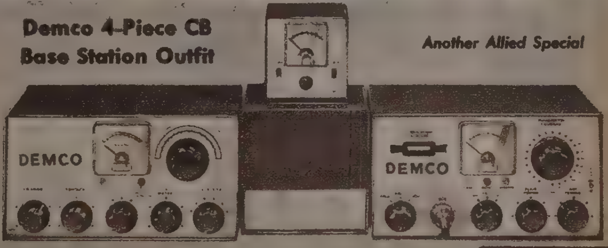
With Alternator, Voltage Regulator, Universal Mounting Bracket, ⅜" Single Pulley, All Cables, Easy Instructions

$59.95
$5 monthly

No more weak batteries with this husky system—really a "must" for the CB or Ham mobileer, or for any car equipped with power accessories! Prolongs battery life by keeping it fully charged—delivers 15 amps even at curb idle. Very easy to install; no special skill is needed, and requires no lubrication or care. Alternator weighs less than a generator, and takes up less space. Has replaceable silicon rectifiers mounted in efficient heat sinks, anti-friction/roller bearings, shielded slip-ring assembly, self-limiting current, splash-proof windings, many other extras. Includes: voltage regulator, ⅜" single pulley (not adaptable for air-conditioned cars using two drive belts), universal mtg. bracket, cables and all instructions. For all 12-volt DC systems, neg. or pos. Shpg. wt., 17 lbs.
86 SX 106. *$5 Monthly*..........59.95

Demco 4-Piece CB Base Station Outfit

Another Allied Special



Deluxe base station combination for extremely reliable 2-way CB communications. Transmitter features: full 5-watts input with 100% Heising negative modulation for best "talk power", 2½" plate current/voltage meter pi-network antenna coupler, 23-channel switching—channel 9 crystal included, calibrated switch. Size, 6x11x7¼". Dual-conversion receiver has: cascode front end, 0.1 µv sensitivity, 10 mc and 455 kc IFs, series-gate noise limiter, squelch, automatic volume control, local-distant switch, 2½" signal strength meter, audio output of 3 watts, compact 6x11x7¼" cabinet to match transmitter. Speaker is 6x6x6½". 2½" SWR/power meter (shown on speaker, above) measures RF output into its 52-ohm dummy load, forward antenna current, and relative standing wave ratio; size, 3½x3½x4¼". With transmit crystal. For 110-125 v., 60 cycle AC. Wt., 26 lbs. **Plus free Electro-Voice Model 664 dynamic mike with 18-ft. cable.**
23 SU 332-2G. *$15 Monthly. Save $49.98!* Complete 295.00
90 SS 354. Extra Trans. Crystal. *Spec. ch. 1-23.* 2 oz.....**2.50**
57 S 241. E-V 664 Microphone Alone. 2 lbs............**49.98**
41 H 976. Amphenol MC4M Connector. 2 oz.............**90¢**

FREE!

Famous E-V 664 Dynamic Mike

Save $49.98

$295.00
$15 monthly

Allied Stocks a Full Line of CB Crystals, Antennas, Accessories

Citizens Band Equipment and Useful Accessories

E.C.I. 30-Watt CB-Ham Linear Amplifier

$\$159^{50}$

$8 monthly

- **6146 Final Provides 30 Watts AM Output**
- **For 25-30 mc Communications Services**
- **For AM, CW, SSB, FM Transmitters**
- **One Simple Connection To Transceiver**
- **Automatic Transmit-Receive Switching**

Provides a minimum of 30 watts RF output. Operates on the 10-meter Ham band, channel 23 of the 11-meter Citizens Band (Class "C" permit required), or other services in the 25 to 30 mc range. With simple coil change, also operates on 50-mc Amateur band. Can be driven by any low-power transceiver providing as little as 1-watt RF output. Amplifies signal without causing distortion or spurious emissions. Output is 30 watts on AM, 45 watts on CW, SSB or FM. Connects by plug-in antenna cable—no internal connections needed. Internal relay keyed by the output of transceiver switches automatically. Has pi-network output circuit for fast tuneup. Also: regulated bias supply, plate and grid current meters. Controls: Filament On-Off, Plate On-Off, Drive, Loading, Tuning. Tubes: 6146 RF amplifier, 12AU7 DC amplifier and relay keyer, OC2 and OB2 voltage regulators. Size, 4¾x14$\frac{3}{16}$x7$\frac{3}{16}$". For 110-120 v., 50-60 cycle AC. Shpg. wt., 20 lbs.
86 SX 237. *$8 Monthly*.......................159.50

D Waters 334 CB-Ham Dummy Load/Wattmeter

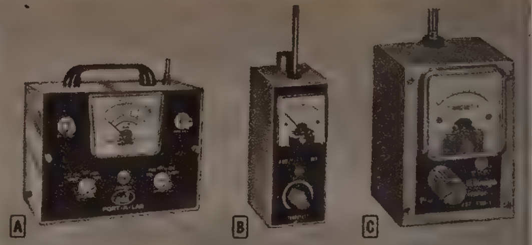
Professional 2-230 mc unit for nonradiating transmitter tests. 52-ohm load in hermetically sealed, liquid-dielectric-filled container for shielding and cooling. Warning-light signals when maximum safe operating temperature is reached (220°F). Ratings: 50W continuous; 1000W intermittent. 3-scale wattmeter: 0-10-100-1000W. Meter accuracy: 3-5% depending on frequency and scale. VSWR: 1.3:1 to 230 mc. S0-239 RF connector. 9x4¾x10¼". 12 lbs.
86 S 584-G. *$5 Monthly*.........................79.95

E Waters 359 Compreamp Audio Compressor

Battery-powered, two-stage transistorized amplifier/limiter increases effective speech output up to 4 times. Connects between station mike (50K dynamic or hi-Z ceramic) and transmitter. Switches in and out of circuit; compression-level adjustment. Imped.: input, 100K; output, 50K. Volts: input, .005-.020; output, .060. Gain: 10 db. Easy to hook up. Includes full instructions. 2¾x3x4½". Less battery, below. Shpg. wt., 2 lbs.
86 S 613-G. *$5 Monthly*.........................27.95
55 JC 650. Burgess 2U6 Battery (9-volt). 2 oz...............48¢

F Cesco CB-52T Transicheck Wattmeter/SWR

Dual scales read 0-5 watts output and visual SWR. Can be left in line. Connector for 52-ohm coax. 5½x2¼x2¼". 10 oz.
90 S 280. *$5 Monthly*.........................19.95



A ECI Port-A-Lab Tester

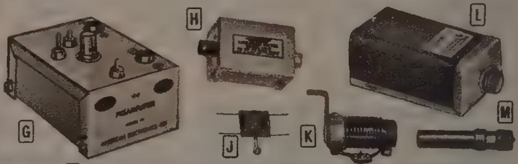
Portable lab for base or mobile RF measurements. Reads SWR, true RF power, modulation percentage, relative field strength. Headphone jack for modulation monitoring. Requires no AC power or batteries. Sensitive 100 μa movement. 6x8x3½". 6 lbs.
86 SX 495. *$5 Monthly*.........................44.95

B Thoro-Test CB-Ham SWR/FS Meter

Measures forward/reflected power from 1:1 to 10:1 SWR—also useful as field-strength indicator. Leave in 52-ohm line to monitor output. Rated 1 kw from 2-30 mc. Has 100 μa movement; ±5% accuracy. 5-section whip. 6¼x1¾x3". Imported. 10 oz.
86 S 588-G..........................11.95

C Thoro-Test CB-Ham Field-Strength Meter

Tunable from 1.6-150 mc in 4 bands. Magnet base. 200 μa movement. 12¾" whip. 2$\frac{3}{16}$x3$\frac{3}{16}$x1$\frac{9}{16}$". Imported. 10 oz.
86 S 589-G..........................5.95



G Ameco PV-27 Nuvistor Preamplifier

Easy to install—use with any Citizens Band transceiver to improve gain and reduce noise. Utilizes sensitive 6DS4 Nuvistor and two tuned circuits to provide a 2.0 db noise figure at 27 mc. Requires 110-150 v. DC at 8 ma., and 6.3 v. AC or DC at .135 amps—readily available from most CB transceivers. 1½x2x3". 1 lb.
86 S 421-G..........................13.95

H Ameco LN-2 TVI Low-Pass Filter

Reduces TV/FM interference. For 52-75 ohm coax. Two S0-239 connectors, bracket. 4⅝x2⅜x1¾". 1 lb.
89 S 454..........................3.75

J Ameco HP-45 TVI High-Pass Filter

Attenuates CB or Ham signals 20 db. For any TV set with 300-ohm antenna input. 1⅛x⅞x¾". Shpg. wt., 3 oz.
89 S 463..........................95¢

K Cesco 3-30 Generator Noise Filter

Eliminates car generator whine—permits quiet reception. Tunable from 3-30 mc. Easy to install. With mtg. bracket. 5 oz
89 S 512..........................2.95

L BRC "Noistop" Ignition Noise Filter

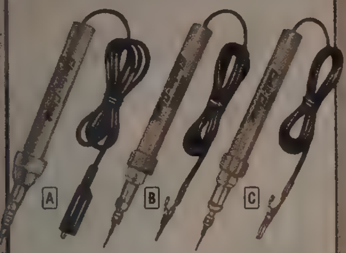
Reduces annoying pulse-type interference from cars, trucks, outboards—gives squelch action too. Attaches to superhet-type CB transceivers. For base or mobile stations. 1½x2½x4". 1 lb.
90 S 106..........................16.95

M Cesco "Phantom" Dummy Load

Permits tuneups without radiating. 52-ohms. UHF connector.
89 S 505. Shpg. wt., 6 oz.........................1.49

Allied Is Headquarters for CB Equipment and Accessories

CESCO PROBES LOCATE TROUBLE FAST



Designed to help you find circuit trouble in minutes. Ideal for cars, CB/Ham transceivers, appliances.

A Convenient AC Electro-Check Probe

Checks continuity, grounds, opens in switches, fuses, wiring, appliances. No battery req'd. 6 oz.
86 S 652-G................3.95

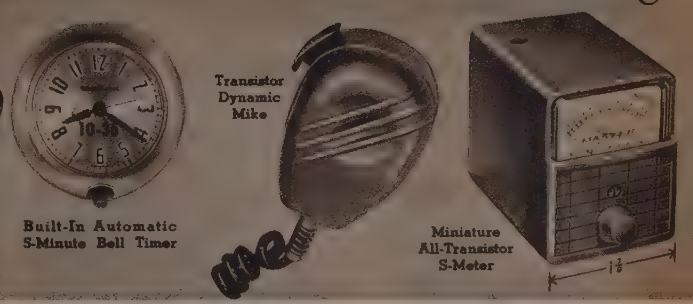
B DC Electro-Check Automobile Probe

Test 6- and 12-volt wiring in cars, other wiring up to 12 volts. No battery req'd. 6 oz.
86 S 650-G................3.95

C "Cirkit-Chaser" Continuity Tester Probe

For point-to-point continuity tests. Req. 2 batteries. 6 oz.
86 S 651-G................3.95
55 J 860. Batteries.
Shpg. wt. 4 oz.....**Pkg. of 2 for 20¢**

New Accessories for Your CB Rig


Built-In Automatic 5-Minute Bell Timer
Transistor Dynamic Mike
Miniature All-Transistor S-Meter

Master Crafters 10-36 Clock

Smart, bright chrome-finish all-metal wall clock especially for the CB'er. "On-off" switch on bottom activates and deactivates automatic timer that rings bell every 5 minutes to remind operator to identify himself. "10" signal on face reminds operator of call numbers for requesting proper time. 8" diameter case. 5½" dial. U.L. Listed. For 115 v., 60 cycle AC. 2 lbs.
86 S 668-G. Includes F.E.T......13.95

BRC 601 S-Meter

"S-Master" connects in minutes with two wires to any AM or FM superhet tube-type receiver with AVC. Excellent for aligning and calibrating receivers, and for antenna location and orientation. May be left "on" for continuous monitoring. Calibration adjustment. Front panel "on-off." 2½" high and deep. Less battery. 1 lb.
86 S 035.....................11.95
55 JC 650. Battery. 2 oz............**48¢**

E-V/American Transistor Audio Compressor Dynamic Mike

Increased range, rich modulation, improved audio. Variable output / tone controls, squeeze-to-talk switch. 39 db output. 4½x1⅜". Less batteries. 13 oz.
86 S 669-G. *$5 Monthly*..............................29.50
55 J 950. Mallory RM-312 Mercury Batteries. Uses 4. Wt., 4 oz........**Pkg. of 2 for 48¢**

E-V's "Q Dial" Gives Data You Need . . Fast!

Dials: States, Possessions (capital, time zone, conversion factor to GMT, CB district, CB-Ham prefixes, log space for A1, SSB, CB); 3.5-144 mc Ham allocations; QSL bureaus; National Bureau of Standards services; Q- and 10-code signals; CW abbreviations; ARRL phonetic alphabet; universal time-conversion chart; morse-code chart; std. R-S-T reporting system. 10" dia. 3 oz.
86 S 559........................................1.00

CB TRANSMITTING and RECEIVING CRYSTALS

Meet FCC requirements. Tolerance, ±.005%. *No crystal required. Specify channel desired (1-22). 3 oz...................**Each 2.50**

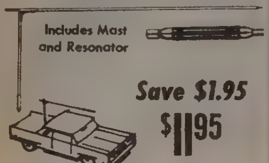
Manufacturer and Model	Stock No.	
	Transmit	Receive
Acton Labs TCV-77	90 SS 350	*
Airline (Wards) 587 GT1, 498	90 SS 368	90 SS 363
Arkay (All Units)	90 SS 366	90 SS 360
Arvin (All Units)	90 SS 353	90 SS 375
Bendix CB6	90 SS 351	90 SS 358
Browning Mobilaire	90 SS 367	*
Browning S-9, T2700	90 SS 366	*
Cadre 500	90 SS 394	90 SS 370
Cadre 510, 510A	86 SS 600	86 SS 601
Citifone CD5, 5A, 6, 7	90 SS 371	90 SS 372
Courier AGS200	90 SS 366	90 SS 358
Courier I (ECI)	90 SS 373	*
D.A.W. (All Units)	90 SS 366	*
Dempco Satellite	90 SS 354	*
Dewald TR910, TR 1000, R1050, F1050	90 SS 366	90 SS 358
Dixon (All Units)	90 SS 366	*
Eico 762 Series	90 SS 371	*
Eico 770 Series	90 SS 366	90 SS 356
General Radiotelephone MC-1, 2, 3, Echo III	90 SS 366	90 SS 363
Gen. Radiotele. MC-4, MC-5	90 SS 354	90 SS 363
Globe CB100	90 SS 366	90 SS 357
Globe CB100A	90 SS 366	90 SS 360
Globe CB200	90 SS 350	90 SS 357
Gonset G11, 12, 14, 15	90 SS 351	90 SS 358
Grove Electric	90 SS 366	*
Hallicrafters CB2, CB3, CB3A, CB5	90 SS 352	90 SS 359
Hallicrafters CB6	90 SS 353	90 SS 358
Hallmark (All Units)	90 SS 366	*
Heath CB1	90 SS 366	*
Heath CB2, GW10, 11, 12, 22, 23, 42, MW30	90 SS 366	90 SS 360
Heath GW21	90 SS 353	90 SS 365
Heath GW30, R220	90 SS 353	*
Heath GW31, 52	90 SS 353	*
Int'l. Executive	90 SS 354	90 SS 361
Int'l. Exec. 50, 100	90 SS 354	90 SS 374
Johnson Personal Mess.	90 SS 353	90 SS 375
Johnson Messenger III	90 SS 394	90 SS 963
Johnson Viking Messenger I, II.	90 SS 352	90 SS 362
Kaar TR330, 326A, 327	90 SS 354	90 SS 376
Knight-Kit C-22	See Knight-Kit Sec.	
Knight-Kit KG-4000	See Knight-Kit Sec.	
Knight KN-2500, 2550 KN-2580	90 SS 366	90 SS 358
Laffayette HB111	90 SS 354	90 SS 358
Lafayette HE15	90 SS 366	*
Lafayette HE20, HE20A HE20B, HE20C	90 SS 366	90 SS 358
Lafayette HE29	90 SS 366	90 SS 363
La Salle LA101	90 SS 366	90 SS 363
Lincoln L2700A, 2000A	90 SS 366	*
Lincoln L-2710, Walkie-Talkie (early issue)	90 SS 353	90 SS 375
Lincoln L-2710 Walkie-Talkie (late issue)	90 SS 369	90 SS 375
Minifone 400M1	90 SS 353	90 SS 375
Minifone 400M2	90 SS 353	90 SS 375
Miratel CR117	90 SS 366	90 SS 362
Olson RA396, 442, 443	90 SS 366	90 SS 358
Philmore TC11	90 SS 366	*
PolyCommPC-11,11G,N	90 SS 355	90 SS 364
Radson RT70A, 75A	90 SS 366	90 SS 358
Ray Jefferson	90 SS 366	*
Raytheom TWR-1	90 SS 368	90 SS 363
RCA(ExceptMarkVIII)	90 SS 366	90 SS 358
RCA Mark VIII	86 SS 602	90 SS 359
Realistic CBK-1, TRC27A, Pocket Phone, Realistiphone	90 SS 366	90 SS 363
Realistic TRC5, 8	90 SS 354	90 SS 362
Regency CBM27	90 SS 366	*
RME 4303	90 SS 353	*
Sampson CBIA	90 SS 354	*
Shell CB-12	90 SS 366	*
Sonar Model D	90 SS 366	90 SS 363
Sonar "E" Serial No. 915 and Lower	90 SS 377	90 SS 363
Sonar "E" Serial No. 916 and Higher	90 SS 377	90 SS 378
Sonar Models C, G	86 SS 604	90 SS 378
Transcender 1000	90 SS 352	90 SS 362
Transpace (All Units)	90 SS 368	90 SS 358
Triumph TC-900, 13-109	90 SS 353	90 SS 375
Universal CT2701	90 SS 353	90 SS 375
USL R800, TR910	90 SS 366	*
USL TR1000, 1050	90 SS 366	90 SS 358
Utica T&C MC27	90 SS 366	90 SS 357
Vanguard (All Units)	90 SS 352	*
Vocaline ED27M	90 SS 367	*
Wards, See Airline	....	....
Webster 4-11 (early)	90 SS 368	90 SS 363
Webster, 440, Band Spanner	90 SS 366	90 SS 358

KNIGHT

All-New! Allied's Own Citizens

Special Offer on Mobile Foldover Package

BUMPER OR BODY MOUNT



Save $1.95

$11.95

Foldover Antenna Assembly

- **Mast and Resonator Purchased Separately Would Cost $13.90**
- **Rustproof Stainless Steel Resonator**
- **Sturdy ½" Aluminum Mast Section**

A great buy for the mobile CB'er. The 54" all-aluminum mast (½" diameter) folds over for clearance. Includes 11-meter stainless-steel resonator. Power ratings (DC inputs) 75 w. AM; 250 w. PEP. See Amateur section for resonators you can use to cover Ham bands. Shpg. wt., 2 lbs.

23 SU 781-2G. For Bumper Mt... 11.95
23 SU 780-2G. For Body Mount.. 11.95
86 SX 583. Bumper Mast Alone. 1 lb 7.95
86 SX 569. Body Mast Alone. 1 lb.. 7.95
86 SX 570. Resonator Alone. 1 lb... 5.95

Deluxe Stainless Steel Mobile Package

Complete Package $14.95

102" Whip;
Bumper Mt. and Ball;
Clip; Cable, Plug; Spring

Stainless Steel Mobile Kit

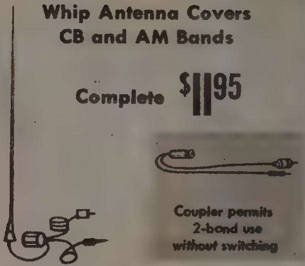
- **An Unbeatable Low Price**
- **Complete—No Extras to Buy**
- **Professional Quality**

Professional-quality mobile antenna kit at a special low Allied price. All components are of stainless steel, except the triple-plated chrome ball. Kit consists of: 102" whip antenna; rugged base and die-cast ball; gutter clip; 20-ft. RG58/U coax cable with PL-259 plug; high-impact spring. Rustproof whip is made of the finest taper-ground stainless steel available. Rugged base, ball and spring are built to withstand the severe conditions of mobile use. Clip attaches securely in gutter—prevents rattling. Easy to install. Shpg. wt., 8 lbs.

86 CZ 704-G. Shipped express... 14.95

Whip Antenna Covers CB and AM Bands

Complete $11.95



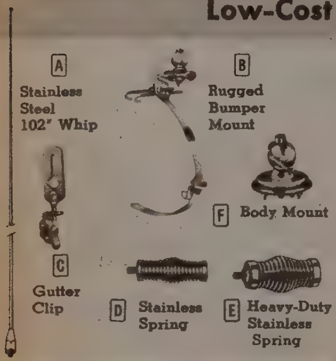
CB/AM Mobile Antenna

- **Chrome-Plated Telescoping Whip**
- **Efficient Solid-State Coupler**
- **Complete with Cables and Plugs**

Let one antenna do the job of two! New Knight whip receives CB and AM bands with no manual switching needed. Saves on cost and installation—eliminates car "clutter." Coupler uses a series-resonant circuit to isolate CB circuit from car radio. Automatically switches between bands, with no deterioration of either the CB or AM signal. 50" telescoping whip is top-loaded and chrome-plated. Features one-hole body mount. Includes all cables and plugs necessary for permanent, one-time mounting on any car. Shpg. wt., 3 lbs.

86 CZ 703-G. Shipped express.. 11.95

Low-Cost Citizens Band Antenna Accessories



A **102" STAINLESS-STEEL WHIP.** Made of best taper-ground stainless steel. Has ⅜-24 stud. Shpg. wt., 2 lbs.
86 CZ 610-G. Shipped express... 3.59

B **BUMPER MOUNT.** Has stainless steel strap that fits securely against bumper of any shape. Held in place by two bolts at top, and clamp at bottom. Easily fits large or small bumper. Shpg. wt., 1 lb.
86 S 606-G. 5.95

C **GUTTER CLIP.** Plastic holder swivels on cadmium-plated clamp. Attaches securely to gutter. Plastic holder prevents whip from rattling. Shpg. wt., 8 oz.
86 S 611-G. .... 79¢

D **STAINLESS-STEEL SPRING.** For whips. Stands up to tough usage. Rustproof. Shpg. wt., 3 lbs.
86 S 608-G. 2.79

E **EXTRA-HEAVY-DUTY STAINLESS STEEL SPRING.** Rugged, built specifically to withstand the roughest kind of usage. Rustproof. Shpg. wt., 4 lbs.
86 S 609-G. 8.95

F **STAINLESS-STEEL BODY MOUNT.** Offers smart appearance and excellent performance. Designed to meet exacting standards for trouble-free service under the most rugged usage. Wt., 3 lbs.
86 S 607-G. 7.95

FOAM DIELECTRIC FOR LOWEST LINE-LOSS

Deluxe Foam Polyethylene Coax Cables with Connectors

RG8/U 50-OHM COAX CABLE. Allied offers a top-quality RG cable at exceptionally low cost. Cable's poly-foam dielectric ensures extremely low line loss. Increases efficiency of your antenna system. Has high bending-radius. Meets or exceeds the most rigid specifications. Available in 50 and 100-ft. coils with a PL-259 plug on each end. Shpg. wts.: 100-ft. coil, 11 lbs.; 50-ft. coil, 7 lbs.

89 S 522. 100-Ft. Coil.......... 13.95
89 S 519. 50-Ft. Coil.......... 8.50

RG58/U 53.5-OHM COAX CABLE. Deluxe quality at low prices. Replace your old outdated coax now. Foam dielectric cuts line-loss, boosts operating range. Great for mobile and base station installations. 20-ft. coil has PL-259 coaxial plug on one end, and split lugs on other end. 50-ft. and 100-ft. coils are both equipped with a PL-259 plug at each end.

89 S 530. 20-Ft. Coil. 1 lb.......... 2.95
86 S 884. 100-Ft. Coil. 4 lbs.......... 8.95
86 S 883. 50-Ft. Coil. 2 lbs.......... 5.50

Band Antennas and Accessories

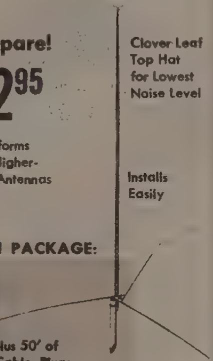
KNIGHT

NEW BUDGET-PRICED GROUND PLANE

Compare!

$12.95

Outperforms Many Higher-Priced Antennas



SAVE ON PACKAGE:

Antenna plus 50′ of RG58/U Cable, Plugs

Save $2.50 $15.95

KN-2570 Ground Plane

- **9-Ft. Seamless Aluminum Radiator**
- **9-Ft. Solid Aluminum Radials**
- **DC Ground for Lightning Safety**
- **Coax Fitting for PL-259 Plug**

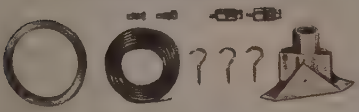
Unbeatable at its price, the KN-2570 offers excellent omnidirectional performance. Knight's exclusive clover leaf tophat ensures lowest possible noise. Unique beta match places entire antenna at DC ground, contributing to lower noise level and for protection against lightning. Tuned antenna has 52-ohm impedance. 5 db circuit gain. 1.5:1 VSWR. With mtg. hardware. 4 lbs. Shipped express.

86 CZ 700-G. KN-2570 Alone. 12.95

23 SU 341-2G. Above with 50′ RG58/U polyfoam cable and plugs. 8 lbs. **15.95**

86 S 883. 50-Ft. Coil of RG58/U Cable and Plugs Alone. Wt., 2 lbs........**5.50**

Universal Mounting Kit



$9.95 ***Everything You Need for Peaked or Level Roof-Mounting***

Deluxe mounting kit at an extremely low price. Contains complete accessories for simplified roof mounting. Consists of: 50-ft. of RG58/U Poly-Foam Coaxial Cable; Two PL-259 Connectors; heavy-duty Roof Saddle Mount; 30 ft. of Guy Wire; Three Eye Hooks; Two Adapters. Less mast. PL-259's already attached. 6 lbs.

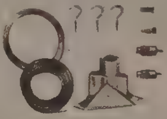
86 SX 386-G.........................9.95

New KN-2572 Maximum-Gain Base-Station Antenna

- **Extra-Heavy-Duty Seamless Aluminum Tubing**
- **Handles up to 250 Watts • Up to 6 db Gain**
- **Top Hat Improves S/N Ratio up to 20 db**
- **Can be Cut for 10-Meter Band • 1.2:1 VSWR**

ANTENNA AND UNIVERSAL MOUNTING KIT

Save $4.95 Both For $28.95 $5 monthly

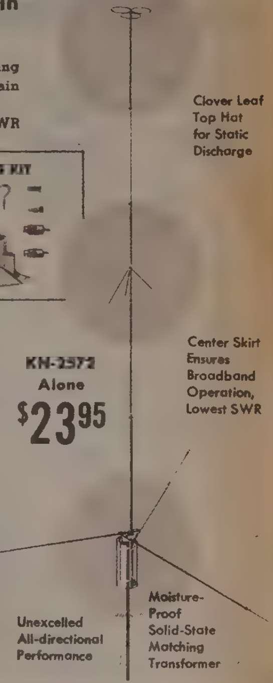


The KN-2572 incorporates all the best electrical and mechanical features to provide unequalled maximum-range performance. Boasts 17-ft. vertical radiator of solid-wall seamless aluminum tubing, and massive, formed solid-aluminum brackets and fittings. Solid-state matching coupler at base ensures lowest-loss transfer of energy, and 1.2:1 or less VSWR. DC-grounded for minimum noise level and maximum lightning protection. Three 108″ radials provide excellent mast de-coupling and radiation pattern. Center skirt (three shortened radials) contributes to low VSWR and coverage of entire 11-meter band. Accepts masts of 1¼″-1⅝″ dia. 7½ lbs. Shipped express.

86 CZ 702-G. KN-2572 Alone....23.95

23 SU 340-2G. Antenna and Universal Mounting Kit (described at lower left). Shpg. wt., 13½ lbs. Save $4.95........ **28.95**

KN-2572 Alone $23.95


Clover Leaf Top Hat for Static Discharge
Center Skirt Ensures Broadband Operation, Lowest SWR
Unexcelled All-directional Performance
Moisture-Proof Solid-State Matching Transformer

New 5-Element Citizens Band Beam

The Only Wide-Spaced Beam Available at This Low Price

- **Low VSWR Vertically or Horizontally**
- **12.3 db Forward Gain • 25 db F/B**
- **18′ 8¾″ Element Length • 24′ Boom**
- **Perfect 52-Ohm Gamma Match**
- **Rugged All-Aluminum Construction**

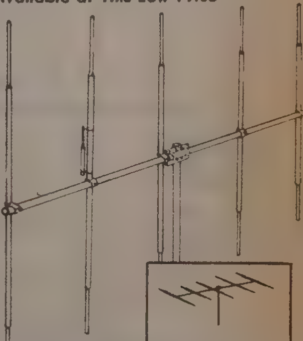
A wonderful Knight value for the CB'er who must have maximum performance. Provides top-notch coverage whether polarized vertically or horizontally. Five elements, widely spaced on a 24-ft. boom, radiate a near-perfect directional pattern. Forward gain is 12.3 db. Front-to-back ratio is 25 db or better. Gamma matching ensures low VSWR with 52-ohm coax. Can take a 112-lb. wind load, vertically; 62 lbs. when used horizontally. Rugged, all-aluminum construction combines lightweight qualities with exceptional resistance to the effects of weather. Accepts masts of 1½″ diameter. Less mast and coaxial cable. Shpg. wt., 18 lbs. Shipped express. *$5 Monthly.*

90 CU 398-G. Antenna Alone....39.95

23 SU 779-2G. Antenna and 100′ Coil of RG58/U Poly-Foam Coaxial Cable. Shpg. wt., 22 lbs. Express. Save $4.95..... **43.95**

92 CX 442. Alliance U-100 Rotator System. For antenna, above. 12 lbs..... **28.20**

91 C 237. 100′ Coil of 4-Conductor Cable. For rotator system, above. 3 lbs...... **2.19**

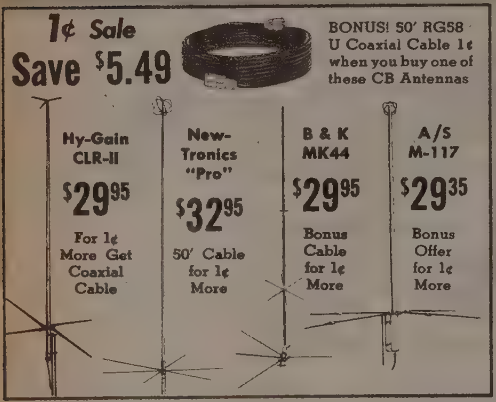


$39.95

Antenna plus 100′ of RG58/U Coax

Save $4.95 Both For $43.95 $5 monthly

Citizens Band Antennas and Accessories


1¢ Sale
Save $5.49
BONUS! 50' RG58 U Coaxial Cable 1¢ when you buy one of these CB Antennas
Hy-Gain CLR-II
$29.95
For 1¢ More Get Coaxial Cable
New-Tronics "Pro"
$32.95
50' Cable for 1¢ More
B & K MK44
$29.95
Bonus Cable for 1¢ More
A/S M-117
$29.35
Bonus Offer for 1¢ More

HY-GAIN CLR-II. Omnidirectional vertical ground-plane. ¾ wavelength. 3.4 db gain—8db circuit gain. S WR, 1.2:1. 52-ohms. Heavy-duty aluminum. Height, 19'11"; radials, 9'. Bracket assembly for masts from 1¼" to 1¾" dia. Shpg. wt., 16 lbs.
23 SU 936-2G. CLR-II plus Bonus Offer. *$5 Monthly*.... 29.96
86 SX 422. CLR-II Alone. *$5 Monthly*.................. **29.95**

NEW-TRONICS "PRO" ANTENNA. Tunable for low SWR of 1.1:1. Has 0.64 wavelength. Low-angle radiation. Feed-line may exceed 60'. Height, 19'8"; radials, 9'. 17 lbs.
23 SU 938-2G. "Pro" plus Bonus Offer. *$5 Monthly*. .. 32.96
86 CZ 634. "Pro" Alone. Shipped express. **32.95**

B & K /MARK MK-44. Omnidirectional ½-wave antenna. VSWR less than 1.5:1. 17' aluminum radiator, six 3' radials, fiberglas mounting section. For 50-ohm cables. 15 lbs.
23 SU 937-2G. MK-44 plus Bonus Offer. *$5 Monthly*.... 29.96
86 CZ 633. MK-44 Alone. Shipped express.............. **29.95**

ANTENNA SPECIALISTS M-117. Omnidirectional, 3.75 db gain. Minimum 6 db signal-to-noise improvement. VSWR, 1.17. Orbital ball reduces static discharge noise. ½-wavelength radials. For up to 1½" mast. 15 lbs.
23 SU 939-2G. M-117 plus Bonus Offer. *$5 Monthly*. ... 29.36
86 CZ 496. M-117 Alone. *$5 Monthly*.................. **29.35**

RG-58 U COAXIAL CABLE. 50' of low-loss 53.5-ohm coax with two PL-259 connectors attached. Foam dielectric. 2 lbs.
86 S 883.. 5.50

Antennas Suitable for Apartment Window or Conventional Roof Mounting

Buy with RG58
Save Up to $4.50

A **HY-GAIN VP-1.** Extended ½-wave omnidirectional vertical. Voltage-fed. 10-db circuit gain. 16' long. 6 lbs.
90 SX 397. VP-1. *$5 Monthly*.... 19.95

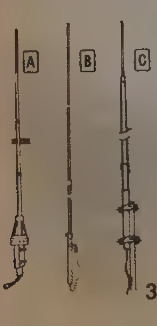
VP-1 and 50' RG58 /U Cable. Save $3.50.
23 SU 940-2G. *$5 Monthly*..... **21.95**

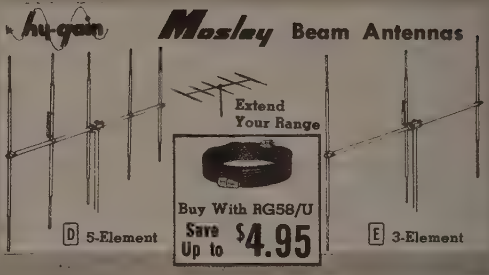
B **B & K /MARK CBB-1.** ½-wave. Less than 1.5:1 VSWR. 17' aluminum radiator, fiberglas mtg. section. 50-ohm matching stub. 8 lbs. Shipped express.
90 CZ 136. *$5 Monthly*......... 21.95

CBB-1 and 50' RG-58 /U Cable. Save $3.95.
23 SU 941-2G. *$5 Monthly*...... **23.50**

C **B & K /MARK SUPER-BEACON.** Omnidirectional ½-wave antenna. Low radiation angle. 1.5:1 VSWR. Dielectric coating for low signal-to-noise ratio, up to 20 db operating gain. 52-ohm impedance. 12 lbs. Shipped express.
90 CZ 186. *$5 Monthly*......... 36.95

Super-Beacon and 50' RG-58 /U. Save $4.50.
23 SU 942-2G. *$5 Monthly*...... **37.95**



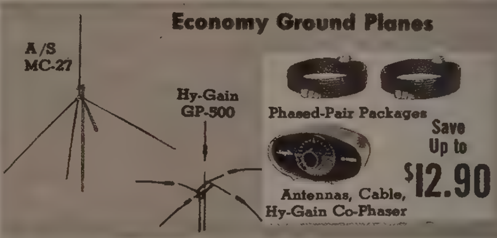

hy-gain
Mosley Beam Antennas
Extend Your Range
Buy With RG58/U
Save Up to $4.95
D 5-Element
E 3-Element

D **HY-GAIN 115-B.** 5-element beam. 12.7 db gain, 25 db F /B ratio. 52-ohms. 24' boom. Longest element, 18'. Turning radius, 14½'. 27 lbs. Shipped express. *$5 Monthly*. **Save $4.95.**
23 SU 943-2G. 115-B With 100' RG58 /U Cable........ 73.95
86 CZ 389. 115-B Alone. Shipped express............... **69.95**

D **MOSLEY A-511-S.** 5-element beam. 9.5 db gain, 20 db F /B ratio. 52 ohms. 24' boom. Longest element, 18'9". Shpg. wt., 18 lbs. *$5 Monthly*. **Save $4.95.**
23 SU 945-2G. A-511-S With 100' RG58 /U Cable...... 59.95
86 CZ 635-G. A-511-S Alone. Shipped express........... **55.95**

E **HY-GAIN 113-B.** 3-elements. 9 db gain. 8' boom. Longest element, 16'6". Radius, 6'. 15 lbs. *$5 Monthly*. **Save $4.50.**
23 SU 944-2G. 113-B With 50' RG58 /U Cable.......... 32.50
89 CZ 826. 113-B Alone. Shipped express............... **31.50**

E **MOSLEY A-311-S.** 3-elements. 8 db gain. 12' boom. Longest element, 18'9". 15 lbs. *$5 Monthly*. **Save $4.50.**
23 SU 946-2G. A-311-S With 50' RG58 /U Cable....... 32.50
86 CZ 636-G. A-311-S Alone. Shipped express.......... **31.50**


Economy Ground Planes
A/S MC-27
Hy-Gain GP-500
Phased-Pair Packages
Save Up to $12.90
Antennas, Cable, Hy-Gain Co-Phaser

HY-GAIN GP-500. Omnidirectional ground-plane. Unity gain. 9' radiator, 9' radials. For 1 to 1⅝" masts. 8 lbs.
90 CU 396.. 14.95

TWO-PHASE PACKAGE. Two GP-500s, Co-Phaser, two 50' coils of RG58 /U with 2 PL-259s. For two-phase operation—get range and selectivity of a beam, without need of rotator. 23 lbs.
23 SU 776-5G. Save $12.90. *$5 Monthly*............ 42.95

ANTENNA SPECIALISTS MC-27. Omnidirectional ground-plane. 9' radiator and radials that bend to match 50-ohm lines. Fits 1 to 1¼" masts. 7 lbs.
89 CU 817.. 15.64

TWO-PHASE PACKAGE. Two MC-27s, Co-Phaser, two 50' coils of RG58 /U, with 2 PL-259s. For increased performance. 18 lbs.
23 SU 778-5G. Save $10.30. *$5 Monthly*...... ...... 46.95

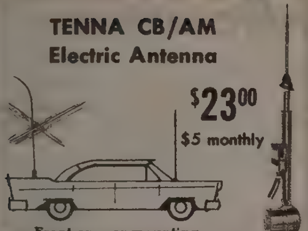
HY-GAIN CO-PHASER. Use this unit, with two phased collinears antennas, to boost range, reduce unwanted signals like a beam. Directs power where you wish. Compass rose dial. 3.86-4.5-db gain. No power needed. 3 lbs.
86 SX 637-G.. 14.95

HY-GAIN LA-1 LIGHTNING ARRESTER. Protects against lightning in 52 or 72-ohm coaxial lines. Rated 1000 watts. SO-239 endings. Shpg. wt., 2 lbs.
86 S 566-G. *$5 Monthly*.......... 19.95

Citizens Band Mobile Antennas

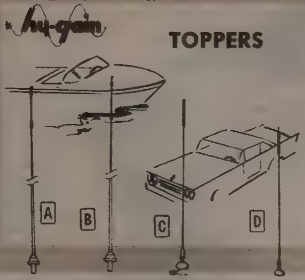
TENNA CB/AM Electric Antenna

$23.00
$5 monthly

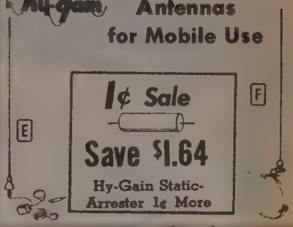


Front or rear-mounting

hy-gain TOPPERS



hy-gain Antennas for Mobile Use



1¢ Sale
Save $1.64
Hy-Gain Static-Arrester 1¢ More

2-IN-1 CB/AM ANTENNA. Dual-purpose antenna receives Citizens Band and standard AM broadcast signals, and radiates CB signal. Eliminates the expense, trouble, and clutter of two separate antennas on your car. Motor-operated antenna features *electrical* extension and retraction. Motor is controlled by switch on dash.

Antenna extends to 55", retracts to just 9½". Top-loaded coil disappears when antenna is retracted. Mounts on most American-make cars. For front or rear mounting.

Outfit includes antenna and motor, switch and bracket for under-dash mtg., 20' electric harness, 18' RG58/U coax cable with PL-259 plug and UG-175 adapter, 4½' radar-type copper-shielded cable, all hardware, full instructions. For neg. or pos. 12 VDC. Shpg. wt., 8 lbs.
86 SX 627-G. *$5 Monthly*......23.00

Top-loaded stainless steel whip antennas. Reduced size permits higher mounting for better radiation efficiency. Match 52 ohms. Encapsulated coils permanently fused to same-diameter whips.

[A] **TLW-M.** 50" whip with chrome-plated single-hole body mount. 1 lb.
90 SX 127....................8.95

[B] **TLW-TM.** Telescoping 50" whip, chromed body mount. 28" closed. 1 lb.
90 SX 129....................8.95

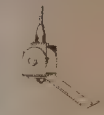
[C] **TLWR.** 29" whip with trunk/roof mount and spring. 1 lb.
86 SX 411....................11.97

[D] **TLMA.** For marine use. 6' whip has heavy-duty mount, quick-disconnect fitting. Shpg. wt., 3 lbs.
86 SX 418. *$5 Monthly*........19.95

TLW WHIP. Std. stud. 1 lb.
90 SX 128....................6.96

[E] **TTMP CB/AM WHIP.** Top-loaded, telescoping. Isolating coupler permits dual-band use without switching. Chrome-plated. With cables, plugs. 2 lbs.
23 SU 935-2G. TTMP plus Bonus 14.96
86 SX 409. TTMP Alone........**14.95**

[F] **BPRW WHIP/MOUNT.** 108" stainless steel whip. Cadmium-plated bumper mount, steel strap. 3 lbs. express.
23 SU 225-2. BPRW plus Bonus. 10.45
86 CZ 419. BPRW Alone. Shpd. exp. **10.44**

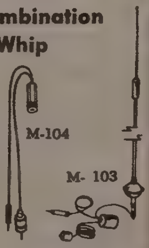


JM JIFFY MOUNT. Attaches under edge of trunk. Takes ⅜-24 studs. Plated steel. ½ lb.
86 S 420...........3.15

DCGK STATIC ARRESTER. Drains static, reduces lightning hazard. 3 oz.
86 S 407...........1.65

Antenna Specialists Combination CB/Broadcast-Band Whip

- Takes Place of 2 Antennas
- Works CB/AM Without Switching
- Complete With All Cables, Plugs

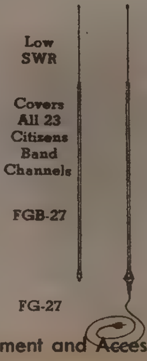


M-103 ANTENNA. Center-loaded telescoping whip. Chrome-plated. Single-hole body mount. Includes divider, all cables, plugs. For any car. 4 lbs.
90 SX 459....................14.64

M-104 DIVIDER. Divider, harness and cable. Adapts any ungrounded CB whip for dual-band use. 2 lbs.
86 S 410....................6.45

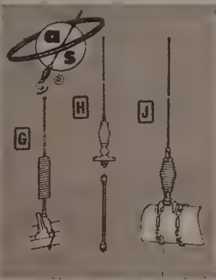
New-Tronics "Phantom" Fiberglass Citizens Band Antenna

- Copper Braid Conductor
- Fiberglass Core
- No Critical Feed Length
- Stainless Tip Rod

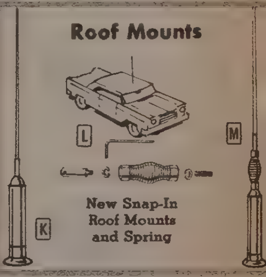

Low SWR
Covers All 23 Citizens Band Channels
FGB-27
FG-27

FG-27. Excellent performance provided by heavy copper braid conductor which exposes the area of greatest radiation or antenna current. Fiberglass core for flexibility and strength. Stainless tip rod. No critical feedline length required. For 52-ohm line. Length, 48". Standard ⅜-24 stud. Less mount and lead. Shpg. wt., 5 lbs.
86 SX 628-G..................4.77

FGB-27. Same as above, with swivel cowl mount, 5' lead and PL-259 connector. Shipping wt., 8 lbs.
86 SX 629-G..................5.97



Roof Mounts



New Snap-In Roof Mounts and Spring

[G] **ASP-185 GUTTER MOUNT WHIP.** Base-loaded 40" whip. With 12' RG58/U and PL-259. Clamps to gutter. Wt. 2 lbs.
89 SX 792....................12.23

[H] **M-23 BODY-MOUNT WHIP.** 102" stainless steel whip, coaxial swivel base, spring. 20' RG58/U cable, PL-259s both ends. Rear deck or side mounting. 6 lbs.
89 CZ 793. Shipped express..............17.46

[J] **MB-24 BUMPER-MOUNT WHIP.** 102" stainless steel whip, spring, double-chain bumper mount, 20' RG58/U, PL-259 one end, whip hold-down clip. 7 lbs.
89 CZ 794. Shipped express..............18.67

[K] **NEW M-123 ROOF-MOUNT WHIP.** 44" base-loaded stainless steel whip. Snap-in ⅜" hole mount. 20' RG58/U and PL-259 connector. 2 lbs.
86 SX 630-G....................13.46

[M] **NEW M-125 ROOF-MOUNT WHIP.** 40" base-loaded stainless steel whip. stainless steel spring. Snap-in ⅜" hole mount. 20' RG58/U and PL-259 connector. 2 lbs.
86 SX 631-G....................15.40

[L] **M-126 SPRING KIT.** For M-67, M-73, M-74. 2½" stainless-steel spring protects whips. With adapter. 1 lb.
86 SX 632-G....................5.13

New Business Band Communications Equipment

hallicrafters
SQUELCH
VOLUME
OFF
TWO WAY RADIO Model MT-20

hallicrafters

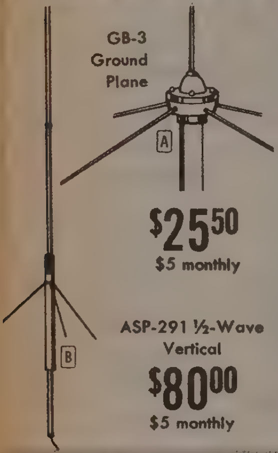
Base and Mobile Transceivers

BT-20 BASE STATION TRANSCEIVER. Completely self-contained unit for extremely dependable, two-way narrow-band FM communications in the 148-174 mc Business Band range. Supplied to your assigned frequency and ready for easy connection to antenna. Features crystal-controlled dual-conversion superhet receiver section with 0.5 µv sensitivity for 20 db quieting, selective IF filter, adjustable squelch circuit, volume/on-off control, and built-in speaker. Transmitter section provides 20 watts output; has press-to-talk ceramic microphone. Unit matches 52-ohm antennas (below). Type F3 FM modulation system has deviation limiter to prevent overmodulation. Transmit and receive crystals (supplied) are oven-regulated for ±.0005% stability. Size, a compact 4½x10¾x10". Complete with 110-120 volt, 60 cycle AC supply. Shpg. wt., 25 lbs. *Shipped express. Allow 30 days for delivery. $17 Monthly.*
F86 SX 617. Specify Exact Frequency...360.00

MT-20 MOBILE TRANSCEIVER. Similar, but has transistorized power supply for 12 volts DC, negative or positive ground. Wt., 20 lbs. *Shipped express. Allow 30 days for delivery. $16 Monthly.*
F86 SX 618. Specify Exact Frequency...325.00

THE BUSINESS BAND

Get greater coverage thanks to higher power, less interference—ideal for salesmen, doctors, lawyers, truck and taxi drivers, businessmen. Order Allied's free licensing package with easy instructions on applying to FCC for your license and assigned frequency channel. Be sure to specify your assigned frequency when ordering equipment.
86 S 752...FREE



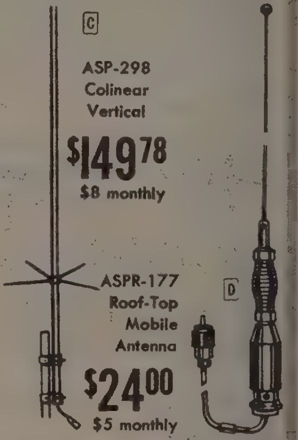
Antenna Specialists Business Radio Antennas

A **GB-3 BASE GROUND PLANE.** Omnidirectional, for fixed-station use. Has 17" aluminum radiator, 19" radials, and gap-type lightning protection. Imp., 52 ohms. Accepts PL-259. With frequency cutting chart. Less mast, coax. 3 lbs.
86 SX 620. *$5 Monthly*...25.50

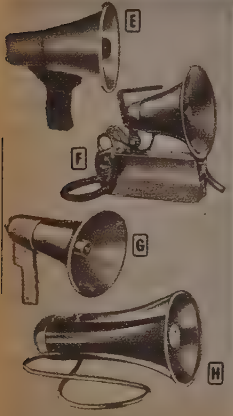
B **ASP-291 BASE ½-WAVE VERTICAL.** End-fed omnidirectional antenna gives 3 db gain, 1.5:1 VSWR. 52 ohms. Accepts PL-259. Less mast, coax. Wt., 15 lbs. *Shipped from factory in Cleveland, Ohio; specify exact frequency.*
F86 SX 621. *$5 Monthly*...80.00

C **ASP-298 BASE COLINEAR VERTICAL.** Efficient omnidirectional antenna provides 6 db gain. Heavy-duty construction. Lightning protected. 52 ohms. Accepts PL-259. Less mast and coax. Shpg. wt., 30 lbs. *Shipped express from factory in Cleveland, Ohio; specify exact frequency desired.*
F86 CZ 622. *$8 Monthly*...149.78

D **ASPR-177 ROOF-TOP MOBILE ½-WAVE ANTENNA.** Offers 3 db gain. Solderless, weather-tight mounting unit fits ¾" roof-top hole. With 12-ft. RG58/U coax, PL-259 connector, frequency cutting chart. Shpg. wt., 2 lbs.
86 SX 619. *$5 Monthly*...24.00



Multi-Purpose Portable Power Megaphones



E **HOLMIN A-12 VOICE GUN.** 3-transistor amplifier projects voice clearly up to 500 yards. Press-to-talk. Long battery life. With strap. Horn dia., 7¼". Less batteries—needs 8. 6 lbs.
57 SX 319. *$5 Monthly*...89.96

55 J 867. Batteries For Above. Voice gun uses 8. Shpg. wt., 3 oz...4 for 52¢

F **UNIVERSITY PP-1T "POWRPAGE".** Transistorized portable P.A. system gives 25 watts for intelligible voice throw of up to 1000 yards. 3-way versatility; use it as a megaphone; with a record player for music reproduction; or as a long-range listener. Talk/Listen switch permits horn to act as directional listening device—hear sounds from far beyond normal hearing range. "Talk over" feature lets you talk over music. Diameter, 9". With strap. Less batteries. 15 lbs.
57 SX 301. *$9 Monthly*...166.55

55 J 853. Batteries For Above. PP-1T requires 4. Shpg. wt., 2 lbs...Each 79¢

G **UNIVERSITY PP-2T "POWRPAGE."** Lightweight hand-held unit with temperature-stabilized 3-transistor circuit. Delivers 7 watts (14 watts peak)—projects voice to 500 yards. Adjustable gain. Acoustic feedback suppression system for indoor use without howling. Horn dia., 9". Less batteries, below. 5 lbs.
57 SX 376. *$5 Monthly*...99.95

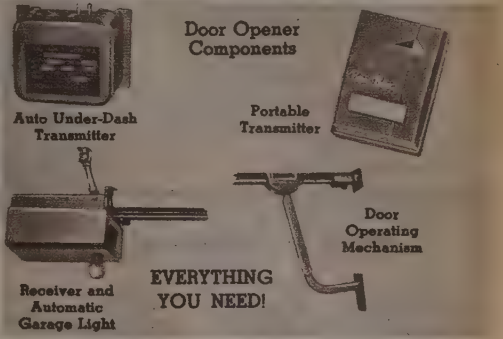
55 J 870. Batteries For Above. PP-2T requires 6. Shpg. wt., 2 oz...2 for 20¢

H **FANON MV-1 ECONOMY MEGAPHONE.** Projects voice to 300 yards. Two switches instantly select high or low power for most efficient battery use. Aluminum with enamel finish. Strap for easy carrying. Battery life, 10 hours (continuous). Horn dia., 6½". Less batteries. Shpg. wt., 4 lbs.
57 SX 320. *$5 Monthly*...26.41

55 J 868. Burgess 210 Battery. Requires 4. Shpg. wt., 5 oz...4 for 64¢

Depend on Allied for All Your Public Address Needs

Garage Door Opener by Perma-Power



AUTOMATIC GARAGE DOOR OPENER

Saves Steps—Takes the Load Off Your Back!

\$149⁵⁰
$8 monthly

- **Electronically Controls Your Garage Door and Lights From Your Car**
- **For Use With Any Overhead Door Up To 18 Feet Wide and 8 Feet High**

imply touch a button—your garage door opens and the light goes n! Press the button again or use the wall-mounted pushbutton, and e door closes and locks—then, after a few minutes, the light autoatically goes out. Power shuts off automatically if door-travel is bstructed in any way. Door can be operated manually at any time. hoose from two all-transistor control units—a pocket/purse-size ortable transmitter, or an under-dash transmitter with a dashboard ushbutton. Both operate on the FCC-authorized frequency of 27.255 c. However, no FCC license is required! Use this easy-to-install ystem with any overhead, residential-type door up to 18-ft. wide nd 8-ft. high, using either horizontal or curved roller track. Requires nly 2¼" clearance between high-arc of door and ceiling. Includes otor mechanism and receiver (for 110-120 v., 50-60 cycle AC), ansmitter (for 12 VDC), antennas, manual pushbutton, wire, hardare, easy instructions. Systems shipped express.

-663 SYSTEM. With portable transmitter. 65 lbs.
9 CZ 007-G. *\$8 Monthly*......(Channel 10)...... 149.50

-664 SYSTEM. With under-dash transmitter. 67 lbs.
9 CZ 013-G. *\$8 Monthly*.......(Channel 6)...... 149.50

9 S 015. Key Switch. For manual operation of door from outside door jamb, driveway post, etc.). With 2 keys. 9-oz...........**4.20**

ALTERNATE SYSTEMS AND EXTRA UNITS

Portable Transmitter Units

89 SX 018. G-340 Extra Transmitter. Has built-in antenna and clip for mounting on auto sun visor. Wt., 1 lb....(Channel 10)..**19.50**

89 CZ 020-G. G-663 Alternate-Frequency System. Like G-663 system at left; use where neighbor already has a door opener. 65 lbs. Shipped express only. *\$8 Monthly*.....(Channel 6).......**149.50**

89 SX 021. G-340 Alternate-Frequency Extra Transmitter. Use with Alternate-Frequency System, above. Wt., 1 lb..(Ch. 6). **19.50**

Under-Dash Transmitter Units

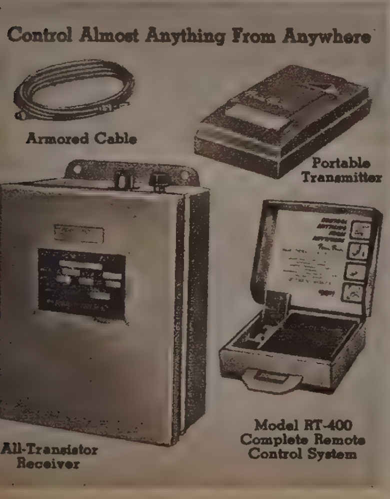
89 SX 022. G-350 Extra Transmitter. With hardware, dash-mounting pushbutton, installation instructions. Wt., 3 lbs. (Ch. 10). **19.50**

89 CZ 023-G. G-664 Alternate-Frequency System. Like G-664 system at left; use where neighbor already has a door opener. 67 lbs. Shipped express only. *\$8 Monthly*....(Channel 6)....**149.50**

89 SX 024. G-350 Alternate-Frequency Extra Transmitter. Use with Alternate-Frequency System, above. 3 lbs...(Ch. 6)...**19.50**

Radio Remote Control System

MODEL RT-400 COMPLETE CONTROL SYSTEM


Control Almost Anything From Anywhere
Armored Cable
Portable Transmitter
All-Transistor Receiver
Model RT-400 Complete Remote Control System

JUST SOME OF THE HUNDREDS OF USES

\$99⁵⁰
$5 monthly

- Entrance Gates
- Approach Warnings
- Burglar Alarms
- Marine Docklights And Dock Doors
- Watchman Signalling
- Remote Lighting
- Annunciators
- Warehouse Doors
- Landing-Strip Lights
- Starting Machinery
- Volunteer Fire Alert

Control practically anything from anywhere—ideally suited for gates, lights, alarm systems, pumps and many other remote-control switching applications. RT-400 system consists of: an all-transistor receiver for operation from 110-120 v. AC; a pocket-size, self-contained portable transmitter; a wall-mounting pushbutton switch; cable for permanent connection to power source; typical wiring diagrams; and complete installation instructions. Outdoor range is 500 feet; indoor range, at least 50 feet, and up to several hundred feet, depending on structure of building and presence of metal obstructions. Maximum operating distance may be reduced by making a simple adjustment. Receiver is in a metal case, designed for permanent installation. Has two load-switching relays for maximum flexibility—one momentary-type, actuated during signal reception; and one sequence-type, which maintains its position until a second signal is received. Shpg. wt., 12 lbs.
86 SX 333-G. *\$5 Monthly*.................................... 99.50

Bonus on Foam RG8/U!

A REGULAR
$16.95
VALUE

only 1¢ more

WHEN YOU BUY ANY TRANSCEIVER
DESCRIBED ON THESE TWO PAGES!

100-Ft. of Coax and PL-259s

Low-loss 50-ohm RG8/U with two PL-259s attached. Polyethylene foam reduces line loss, increases transmitter efficiency, boosts receiver gain. 11 lbs.
89 S 522-G. 100-Ft. Coil........13.95

Drake TR-3 SSB/CW Transceiver

300 Watts PEP—Full Coverage of 80-10 Meter Ham Bands

Alone
$550 00
$23 monthly

With Coax
$550 01
$23 monthly

Save
$13.94

All-Band USB/LSB Selection with 9-mc Filters . . . VOX or PTT . . . Seven 600-kc Ranges . . . Carrier-Shift CW . . . Controlled-Carrier AM . . . Full AGC . . . Linear Permeability-Tuned VFO . . . Separate S Meter/Ammeter and RF/AF Gain Controls . . . 100-kc Calibrator . . . Amazingly Compact

Extremely popular, precision-constructed transceiver for full frequency coverage of 5 Ham bands—excellent for "barefoot" use or for driving high-powered linears. Compact and lightweight, the TR-3 is superb for limited-space, mobile and portable applications. Two special 9-mc crystal filters permit instant USB/LSB selection on any band covered. Inputs are 300 watts PEP (VOX or PTT) and 260 watts CW to 3—12JB6 power amplifiers. Ranges: 3.5-4.1, 7.0-7.6, 13.9-14.5, 21.0-21.6, 28.0-28.6, 28.5-29.1 and 29.1-29.7 mc.

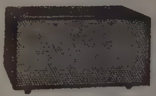
High-stability, linear, permeability-tuned VFO tunes 4.9 to 5.5 mc on all ranges; drift is under 100 cps after warm-up or for ±10% changes in line voltage. Controlled-carrier AM screen modulator is built-in. Full AGC on received modes—fast attack, slow release—with Drake's dual time constant system. Also: product detector; self-contained 100-kc crystal calibrator; separate receiver S meter and transmitter plate ammeter; separate RF and AF gain controls; adjustable output impedance with pi-network; 1000-cps carrier-shift grid-block keying. Circuitry utilizes 19 tubes, 1 VR and 6 diodes.

Receiver sensitivity is better than ½ µv for 10 db S/N ratio; receiver IF selectivity, 2.1 kc at 6 db and 7.5 at 60 db. Boasts literally dozens of other important specifications and extras! Cabinet size, a space-conserving 5½x10¾x14⅜". Less power supplies and accessories, right. Shpg. wt., 31 lbs.
23 SU 750-2G. TR-3 and Coax Bonus. *$23 Monthly*........................550.01

90 SU 473-G. TR-3 Alone. Shpg. wt., 20 lbs. *$23 Monthly*...................**550.00**

DRAKE TR-3 ACCESSORIES

RV-3


MS-3

90 SU 474-G. AC-3 115-VAC Supply. 5x5x10¼". Wt., 22 lbs. *$5 Monthly*...**79.95**

90 SX 475-G. DC-3 Mobile Power Supply. For 12 volts DC. Transistorized. 4½x4x8". Wt., 10 lbs. *$7 Monthly*..........**129.95**

90 SX 476-G. RV-3 Remote Receiving VFO/5" Speaker. For 80-10 meters. 5⅜x10¾x11⅛". 9 lbs. *$5 Monthly*......**79.95**

90 SX 477-G. MS-3 5x7" Speaker. 5⅜x10¾x10¾". 9 lbs. *$5 Monthly*.....**19.95**

90 SX 478-G. Mobile Mounting Kit. Shpg. wt., 2 lbs...........................**6.95**

Hallicrafters SR-160 Tri-Band SSB/CW Transceiver

Alone
$349 50
$17 monthly

With Coax
$349 51
$17 monthly

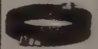
Save
$13.94

New from Hallicrafters—a 3-band filter-type transceiver for both fixed and mobile operation on 20, 40 and 80 meters! Incorporates unique Amplified Automatic Level Control for up to 12 db of effective compression and top "talk power," plus ±3 kc Receiver Incremental Tuning for superior net and CW work. Crystal lattice filter permits quality SSB transmission—carrier and unwanted sideband rejection, —50 db or better; 3rd and 5th order distortion, —30 db. Input conservatively rated at 150 watts PEP.

Frequency coverage: 3.5-4.0 mc (LSB and CW); 7.0-7.5 mc (LSB and CW); 14.0-14.5 mc (USB and CW). Receiver sensitivity, better than 1 µv for 20 db S/N ratio. Built-in changeover relay for direct operation with Hallicrafters HT-45 or other linear. Cabinet size, just 6½x13x11". Provision for optional VOX and crystal calibrator accessories. Less power supplies, below. Wt., 28 lbs.
23 SU 751-2G. SR-160 and Coax Bonus. *$17 Monthly.* 349.51
86 SX 550-G. SR-160 Alone. 17 lbs. *$17 Monthly*......**349.50**
86 SX 058-G. P-150 115-VAC Power Supply/4x6" Speaker. Matches SR-160. 6¼x7½x10". 22 lbs. *$5 Monthly*..........**99.50**
86 SX 057-G. P-150 12-VDC Supply. 3¾x10x6¼". 10 lbs. **109.50**

- **150 Watts PEP Input**
- **Receiver Incremental Tuning**
- **Amplified Audio Level Control**
- **Compact, Slim-Line Design**
- **Full Frequency Coverage of 80, 40 and 20 Meters in Three 500-kc Ranges**

only 1¢ more



When You Buy the SR-160

Items With U or Z in Stock No. Shipped Truck or Express

Model 400

Model 420

ALL-NEW "Swan-400" 5-Band SSB Transceiver

only **1¢** *more*

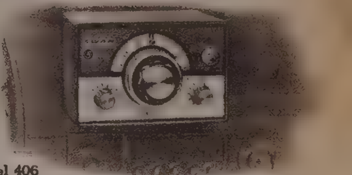
When You Buy the Swan-400

400 Watts PEP, 320 on CW, 125 on AM

Alone $395^00 — $18 monthly

With Coax $395^01 — $18 monthly

Save $13.94


Works five bands when used with Model 420 or 406 VFO units

Model 406

ust out from the makers of the famous SW-Series of SSB gear . . . a versatile, eature-packed transceiver for fixed and mobile use! Operates in the 10 through 0-meter bands with inputs of 400 watts PEP on SSB, 320 watts CW and 125 vatts AM—PA efficiency, 60% (exact frequency range dependent on which FO, right, is employed). High-frequency crystal lattice filter, common to both ransmit and receive, provides 3 kc bandwidth, unwanted sideband 40 db lown and carrier 50 db down. Receiver sensitivity is better than ½ μv for 0 db S/N, with spurious emission and image response down more than 80 db.

verall audio bandpass, essentially flat from 300 to 3300 cps on transmit and eceive. Wide-range pi-coupler output circuit has coarse and fine adjustment. 00-kc crystal calibrator and speaker are self-contained, with provision for xternal speaker. Transmitter metering: 0-800 ma PA cathode, and grid current osition for over-modulation indicator. Also: wide-range AGC with automatic -meter function; grid-block CW keying with rear-chassis key jack. Panel controls: function switch; sideband selector; phone-CW transmit selector; receiver F gain; phone jack; mike jack; mike gain; carrier balance; PA tune; PA grid; A load fine-coarse; band selector. Uses 2—6HF5 PA tubes, 6GK6 driver, 7360 alanced modulator; 17 tubes total. Size, 5½x13x11". Less VFO units (right), ower supplies and accessories (below). Wt., 29 lbs.

23 SU 752-2G. Swan-400 and Coax Bonus. *$18 Monthly*.........395.01

86 SX 423-G. Swan-400 Alone. Wt., 18 lbs. *$18 Monthly*..........**395.00**

86 SX 426-G. 117B 115-VAC Power Supply. 9½x7½x17½". 17 lbs...**85.00**

86 SX 427-G. 512 12-VDC Power Supply. 9½x7½x17½". 17 lbs....**145.00**

86 S 428-G. VX-1 Plug-In VOX Unit. 5 lbs. *$5 Monthly*.............**35.00**

Auxiliary Frequency-Control Units

MODEL 420 FULL-COVERAGE VFO FOR FIXED STATION. Plugs directly into Swan-400. Has direct-reading dial calibrated in 2-kc increments, choice of 6:1 or 36:1 vernier tuning, and transistorized VFO circuitry with zener-regulated supply. Superb temperature, voltage and mechanical stability. Covers in 20—200-kc ranges: 3.4-3-6, 3.6-3.8, 3.8-4.0, 7.0-7.2, 7.2-7.4, 14.0-14.2, 14.2-14.4, 14.8-15.0 (for WWV), 21.0-21.2, 21.2-21.4, 21.4-21.6, 28.0-28.2, 28.2-28.4, 28.4-28.6, 28.6-28.8, 28.8-29.0, 29.0-29.2, 29.2-29.4, 29.4-29.6, 29.6-29.8 mc. 5½x6½x11". With mtg. base for desk-top operation with Swan-400. Wt., 10 lbs.

86 SX 425-G. *$6 Monthly*.............. 120.00

MODEL 406 MINIATURIZED VFO FOR MOBILE USE. Similar to above, but miniature design for dashboard installation. Covers following phone sub-bands: 3.8-4.0, 7.1-7.3, 14.15-14.35, 21.25-21.45, 28.5-28.7 and 28.7-28.9 mc. (Ranges are adjustable to cover other segments, if desired.) Size, 3x4¾x5". With mtg. brackets and hardware. Shpg. wt., 5 lbs.

86 S 424-G. *$5 Monthly*...................75.00

National NCX-3 Tri-Band SSB/CW Transceiver

Alone $369^95 — $17 monthly

With Coax $369^96 — $17 monthly

Save $13.94

One of our best-selling sideband rigs! Conservatively rated at 200 watts PEP input on SSB, 200 watts CW, and 100 watts AM, the NCX-3 covers 3480-4020 (LSB), 6980-7310 (LSB) and 13,880-14,420 (USB) kc. High-frequency 2.5-kc crystal lattice filter gives maximum sideband suppression with high audio quality. RCA 7360 balanced modulator provides stable, "stay-put" carrier balance. Among its other built-in extras: automatic meter switching to read strength or cathode current; 45:1 planetary dial; variable pi-network; 400-cps stability after warm-up; full AGC on all modes; 1 μv sensitivity for 10 db S/N. Size, 6 1/16x13⅝x11⅝". Less power supplies, below. Wt., 36 lbs.

23 SU 753-2G. NCX-3 and Coax Bonus. *$17 Monthly*.... 369.96

86 SX 041-G. NCX-3 Alone. Wt., 25 lbs. *$17 Monthly*......**369.95**

86 SX 042-G. NCXA AC Supply/6x4" Speaker. Matches NCX-3. For 115 v. AC. 6 1/16x8 7/16x11⅝". Wt., 25 lbs. *$6 Monthly*........**110.00**

86 SX 055-G. NCXD DC Supply. For 11-14 volts DC, positive or negative ground. 6x4½x4". 12 lbs. *$6 Monthly*...............**119.95**

only **1¢** *more*

When You Buy the NCX-3

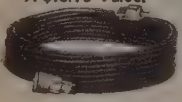
- **200 Watts PEP Input on 80, 40, 20**
- **VOX or Push-to-Talk**
- **Fast Attack/Slow Decay AGC; Grid-Block CW**
- **Product/Triode Detectors; S Meter/Ammeter**

Selected Amateur VHF Transceiver Values

only **1¢** *more*

WITH YOUR PURCHASE OF ANY VHF TRANSCEIVER LISTED ON THIS PAGE

A $16.95 Value!



Save $\$13.94$

100' OF FOAM RG8/U WITH PL-259s ATTACHED

Low-loss 50-ohm RG8/U coaxial cable with PL-259 plug soldered to each end. Highly efficient polyethylene foam dielectric reduces transmission line attenuation, increases transmitter efficiency and boosts receiver gain. Withstands full kw of RF. Shpg. wt., 11 lbs. 100-ft. coil.

89 S 522-G.... **13.95**

hallicrafters
NEW

SR-46 for 6 Meters

Alone	With Coax
$\$179^{95}$	$\$179^{96}$
$9 monthly	$9 monthly

12 Watts Input on AM Phone . . . Fixed/Mobile Power Supply

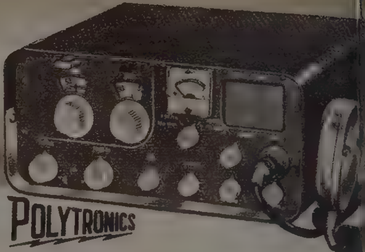
New, low-cost transceiver provides full 6-meter coverage with 12 w. AM input, push-to-talk, ANL, automatic S meter, frequency spot switch. Nuvistor in RF gives 3½-db noise figure; dual-conversion receiver has crystal-controlled 2nd oscillator. Provision for 4 crystals or external VFO. 5x12x8". For 115 v. AC/12 v. DC. 31 lbs.

23 SU 756-2G. With Coax Bonus.... **179.96**

86 SX 314-G. SR-46 Alone. 20 lbs..... **179.95**

23 SU 757-2G. SR-42 Transceiver With Coax. 2-meter model of SR-46. 31 lbs.......... **189.96**

86 SX 316-G. SR-42 Alone. 20 lbs..... **189.95**



"Polycomm 6" for 6 Meters

Alone	With Coax
$\$329^{50}$	$\$329^{51}$
$16 monthly	$16 monthly

Complete with VFO, Mike, Supply for Fixed/Mobile

Complete, ready-to-operate VHF station! Features dual-conversion receiver with 2 nuvistor RF stages for .1 µv sensitivity and 4-db noise figure. "Miniload" VFO maintains virtually zero drift. Has squelch, series-gate limiter, AGC. Covers 49.75 to 54.25 mc. Output, 10 watts. 5x11x10". For 115 v. AC/12 v. DC. 34 lbs.

23 SU 758-2G. With Coax Bonus... **329.51**

90 SU 681. Polycomm 6 Alone. 23 lbs. **329.50**

23 SU 759-2G. Polycomm 2 Transceiver With Coax. 6 w. output; 2 mtrs. 34 lbs........ **349.51**

90 SU 683. Polycomm 2 Alone. 23 lbs. **349.50**

Clegg

6 and 2-METER TRANSCEIVERS

CLEGG
VENUS
NEW

85 Watts PEP on 6-Meter SSB, CW, AM with 9-mc Crystal Lattice Filter and RCA 7360 Balanced Modulator

Clegg
22'er
NEW

THOR 6
Clegg

60 Watts on 6-Meter AM and CW with Built-In VFO, Push-To-Talk and Keying Relay . . . Receiver Has Nuvistor in RF, BFO

"Venus VI"—6-Meter SSB/CW/AM

Alone	With Coax
$\$495^{00}$	$\$495^{01}$
$20 monthly	$20 monthly

A complete transceiver to put you on 50-mc SSB without the fuss and expense of adapting low-frequency exciters and linears! Employs lattice filter, balanced modulator, low-noise nuvistor front end, "receiver offset" tuning. Runs 85 watts PEP input all modes. Range, 50.0 to 50.5 mc. Less than 100 cps/hour drift after 30-minute warm-up. Suppression: 50-db carrier, 40-db unwanted sideband, 30-db distortion products. Receiver sensitivity, .25 µv for 10 db S/N; selectivity, 2.8 kc at 6 db and less than 6 kc at 50 db. Fast attack/slow release AVC. RF unit, 7x15x10½"; requires AC supply, below. Shpg. wt., 35 lbs. *$20 Monthly.*

23 SU 761-2G. With Coax..... **495.01**

86 SU 317-G. Venus Alone. 24 lb. **495.00**

86 SU 318-G. 115 VAC Power Supply. 7½x7x10¾". 22 lbs. *$5 Monthly.* **110.00**

"22'er"—2-Meter AM Phone

Alone	With Coax
$\$239^{50}$	$\$239^{51}$
$12 monthly	$12 monthly

Get started in VHF at low cost with this ready-to-go 2-meter station! Features: triple-conversion receiver with nuvistor front end, conservatively rated 11-watts input on push-to-talk AM, and self-contained universal power supply. Receiver provides .25 µv sensitivity for 10 db S/N, 8-kc selectivity with steep skirts, and better than 50-db image rejection. Also: transmitter spot switch; slide-rule tuning; S meter/relative RF output meter; 2E26 final amplifier; built-in speaker; automatic peak noise limiter. Transmitter uses high-level plate/screen modulation with speech clipping. Requires 8 or 12 mc crystals, or external VFO. Size, 12x10¾x6⅛". For 115 v. AC/12 v. DC. Wt., 30 lbs. *$12 Monthly.*

23 SU 762-2G. With Coax..... **239.51**

86 SX 320-G. 22'er Alone. 19 lb. **239.50**

Thor VI—6-Meter CW/AM Phone

Alone	With Coax
$\$260^{00}$	$\$260^{01}$
$13 monthly	$13 monthly

Renowned for superb performance with VHF fans everywhere! Transmitter runs 60-watts input on AM/CW with high-level plate/screen modulation, up to 12 db clipping, and clean CW keying. VFO covers 50.0 to 51.4 mc with less than 3 kc/hour drift after 20-minute warm-up. Heterodyne-type VFO automatically tracks receiver. Receiver sensitivity, .25 µv with crystal lattice filter for selectivity of 6 kc at 6-db points—tunes 49.8 to 52.1 mc. Also: ANL, AVC, S meter, speaker. 6¼x12x8½". Less power supply/modulator units, below. Wt., 29 lbs.

23 SU 763-2G. With Coax..... **260.01**

90 SU 462-G. Thor Alone. 18 lbs. **260.00**

90 SU 463. 115-VAC Supply/Modulator. 6½x12x8½". Wt., 30 lbs.......... **139.95**

90 SU 465. 12-VDC Supply/Modulator. 10x4¾x5⅛". Transistorized. 23 lbs. **159.95**

Famous-Name Amateur Gear

only 1¢ more

100′ of Foam RG8/U With Two PL-259′s

Clegg

"99'er" 6-Meter Transceiver

Alone **$179.95**	With Coax **$179.96**
$9 monthly	$9 monthly

op-notch unit has dual-conversion receiver vith 10 tuned circuits for fine sensitivity nd selectivity. Plate-screen modulated AM ig runs 8 watts input. Has S meter, spot witch, ANL, pi-net output, TVI suppression, :1 vernier. Receiver tunes 50-52 mc. Its tubes and rectifier give 14-tube performance. Takes 8/12/16/24 mc crystals or external VFO. 6x10x8″. For 115 v. AC. 31 lbs. *9 Monthly Save $13.94.*

23 SU 760-2G. With Coax **179.96**
90 SX 146-G. 99'erAlone. 20 lbs. **179.95**

AMECO

TX-62 6 & 2-Meter Transmitter

Alone **$149.95**	With Coax **$149.96**
$8 monthly	$8 monthly

All-new, factory-wired transmitter works 50-54 and 144-148 mc with 75 watts CW and peak AM input to 7984 final—modulator and solid-state AC supply are built-in. Meter reads final grid/cathode current, RF output. Has audio gain and potentiometer drive controls, jack for push-to-talk mike. Easy to tune. Requires 8-mc. crystals or external VFO. Size, 6x11½x9½″. For 115 v. AC. 33 lbs. *$8 Monthly. Save $13.94.*

23 SU 764-2G. With Coax **149.96**
86 SX 321-G. T-62 Alone. 20 lbs. **149.95**

VHF ENTHUSIASTS: BE SURE TO SEE THE FULL LISTINGS OF VHF CRYSTALS, VFOs AND ANTENNAS ELSEWHERE IN THIS CATALOG.

NOW . . . HAM-BAND COVERAGE FROM 80 THROUGH 2 METERS

ALL BANDER HF Tuner & Speaker $129.95

$495.00
$20 monthly

Clegg "Interceptor B" Receiver

Dual-conversion 50-54 mc receiver with a crystal-controlled converter for 144-148 mc. Features nuvistor RF stages, crystal filter, separate AM and SSB/CW detectors/limiters, .1 µv sensitivity. 9x15x9″. Less speaker. For 115 v. AC.

90 SU 023-G. 32 lbs. **495.00**

INTERCEPTOR ALLBANDER HF TUNER AND SPEAKER. Adapts above to receive 6 ranges: 3-7, 7-11, 11-15, 14-18, 18-22 and 27-31 mc. Preselector peaks desired signal. 7x7x5½″. Plugs in. 6 lbs.

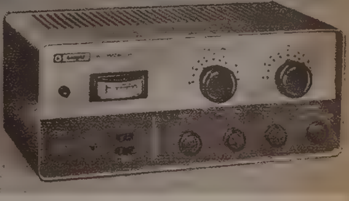
86 SX 322. *$7 Monthly* ... **129.95**

Allied's Own 6-Band AM/CW *knight-kit*® Transmitter Kits

Build and Enjoy the Best—

***knight-kit*®**

Knight-Kits offer performance equal to or better than factory-wired units costing far more. You get premium parts and clear instructions. Every kit comes to you in perfect order, ready for quick, easy assembly



T-150A TRANSMITTER KIT. Hailed by delighted owners and Ham journals alike, the 6-band T-150A brings you a clean "big signal" at maximum watts-per-dollar. Peak AM phone/CW inputs are 150 watts on 80-10 meters (also covers 6 meters). Highlights: stable VFO with spot switch and planetary drive; controlled-carrier modulation; simultaneous 4-stage keying; voltage-doubler power supply; TVI suppression. **Details in Knight-Kit section, page 67.**

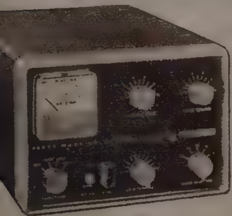
83 YU 409-G. *$6 Monthly* .... Was $119.95 **99.95**

T-60 TRANSMITTER KIT. Nothing like it in its price class . . . thousands sold! Works 6 bands with 60 watts peak AM phone/CW input on 80 through 10 meters, slightly less on 6. Has pi-net, controlled-carrier AM, one-knob bandswitching, cleanest keying (no high voltage across key), TVI filtering and bypassing, fused silicon-rectifier power supply—a host of other extras! An outstanding value for your money! Requires crystals or VFO. **Details in Knight-Kit section, page 70.**

83 YX 294-G. *$5 Monthly* **49.95**

Popularly Priced 5-Band CW Transmitter Kits

EICO



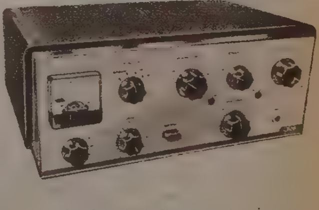
Model 723-K Runs 60 Watts Input to Neutralized 6DQ6B Final Amplifier on 80, 40, 20, 15, 10-Meter CW

MODEL 723-K. Low-cost 60-watt CW transmitter for the Ham beginner. Compact, well planned and clean-sounding on the air. Covers the 80 through 10-meter bands with electron-coupled Colpitts oscillator, TVI suppression, choke-input power supply, pi-network to match 50-1000 ohms. Meter reads final grid or plate current. Requires crystal or VFO. 6x8½x11¼″. For 117 v. AC. 16 lbs.

90 SX 289. Kit Form. *$5 Monthly* **59.95**
90 SX 290. Wired and Tested. *$5 Monthly* **89.95**

Handsomely styled 90-watt transmitter for veteran or Novice. Covers 80 through 10 meters with one-knob bandswitching, pi-network output, break-in keying, and 2-way panel meter. Sealed cabinet and careful by-passing and choking of input/output leads for effective TVI suppression. Final protected by clamper tube. 6x15x9″. Requires crystal or VFO. For 115 v. AC. 30 lbs.

90 SU 287. Kit Form. *$5 Monthly* **89.95**
90 SU 288. Wired and Tested. *$7 Monthly* ... **129.95**



Model 720-K Employs the Famous 6146 as a Final Amplifier, Protected by a 6AQ5 Clamper Tube. Input is 90 Watts CW on the 80, 40, 20, 15 and 10-Meter Bands.

See Knight-Kit Pages for Details on Knight-Kit Ham Gear

Selected Famous-Name Amateur Transmitters

- ✓ 200 watts PEP input
- ✓ 5 bands
- ✓ All modes
- ✓ Matches SX-117
- ✓ Full VOX and PTT

NEW! Hallicrafters HT-44 SSB/CW/AM Transmitter

$\$395^{00}$

$18 monthly

Has Hallicrafters' Stabilized Phasing System for Standout Speech Quality

An exciting table-top transmitter providing 5-band SSB-CW and AM coverage—latest version of the famed HT 37. An ideal companion to the SX-117 receiver (opposite page)—frequency control operates as slave with SX-117 or independently. Covers 3.5-4, 7.0-7.5, 14.0-14.5, 21.0-21.5, 28.5-29.0 mc with crystals supplied. Has full VOX and PTT; break-in CW; AALC; 50 db carrier suppression; RF output meter; 8-position band selector. 7⅛x15x13". Requires P-150, below. 18 lbs.

86 SX 554-G. *$18 Monthly*................395.00

86 SX 058-G. P-150 AC Power Supply/4x6" Speaker. 6¼x7½x10". For 115 v. AC. 30 lbs...............**99.50**

AMATEUR-BAND TRANSMITTERS

$\$89^{95}$ Kit

$5 monthly

6 Bands, 75 Watts, AM and CW . . . Available in Wired or Kit Form

Hallicrafters HT-40 Transmitter

Carefully designed, low-cost CW and AM transmitter—a fine companion for the SX-140 receiver (opposite page) in styling and bands worked. Provides bandswitched coverage of the 80, 40, 20, 15, 10 and 6-meter Ham bands with 75 watts peak input to 6DQ5 final amplifier (input slightly less on 6-meter AM phone). Has 52-ohm pi-network output, dual-range metering, TVI filtering and provision for external VFO. Size, 7 3/16x13⅜x8¼". Built-in power supply for 105-125 volts, 50-60 cycle AC. Requires crystal or VFO. Shpg. wt., 19 lbs.

90 SU 085. Factory Wired. *$6 Monthly*....109.95

90 SU 086. Kit Form. *$5 Monthly*...........**89.95**

A compact, crystal-lattice SSB-type transmitter

$\$449^{50}$

$20 monthly

130 Watts Two-Tone PEP and CW Input

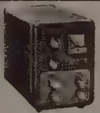
Hammarlund HX-50 Transmitter

Conservatively rated at 130 watts PEP and CW input, the HX-50 covers all Ham bands 80 through 10 meters plus MARS frequencies. Offers superior performance on upper or lower SSB, AM or CW. Output: SSB and CW, 50 w. on 10 meters to 65 w. at 80 meters for 90 w. DC input and 130 w. PEP; AM is 25% of SSB/CW values. Features: built-in antenna changeover, VOX, PTT and break-in keying; 3-element pi-network variable 40 to 80 ohms; highly stable internal VFO calibrated every 10 kc with readability to 2 kc. Stability after warmup less than 250 cps. All oscillators except VFO are crystal controlled. Carrier, unwanted sideband, and spurious frequencies down 50 db or more. Bandwidth, 2.7 kc at −6 db Low-level bandpass coupling. 9½x17x9". For 105-125 v., 50-60 cycle AC. 45 lbs.

90 SU 539. *$20 Monthly*......................449.50

$\$375^{00}$ Kit

$18 monthly



Optional filter-type unit adapts Valiant II to 5-band SSB work

E. F. Johnson Viking Valiant II Transmitter

MODEL 240-105-2. Famous for outstanding flexibility and performance! Gives you full bandswitched coverage of the 6 bands from 10 through 160 meters with 275 w. input on CW and 200 w. on AM (also delivers 275 w. PEP input on SSB with auxiliary Viking adapter, below). Highlights: stable, self-contained VFO; low-level audio clipping; TVI suppression; time-sequence keying; built-in AC supply; pi-network; 3—6146s in final; many other built-in extras. 11½x21x14". For 105-120 v., 50-60 cycle AC. Wt., 85 lbs. Express only.

90 SZ 500. Factory Wired. *$21 Monthly*........................495.00

90 SZ 501. Kit Form. *$18 Monthly*..............................**375.00**

MODEL 240-305-2 FILTER-TYPE SSB ADAPTER. Converts above to SSB on 80-10 meters. Consists of RF unit, 11½x8x14"; power supply, 6 13/16x3 13/16x7 9/16", cables. 3 w. output. VOX/anti-trip. For 115 v. AC. Wt., 31 lbs.

90 SU 502. Factory Wired. *$17 Monthly*........................369.50

Kit Form

$\$249^{50}$

$13 monthly

Johnson Ranger II Transmitter

MODEL 240-162-2. Extremely popular 7-band AM/CW transmitter works all Ham bands from 160 through 6 meters with built-in VFO or optional crystals. Also serves as RF/audio exciter for high-power equipment. Pi-network final amplifier circuit runs 75 watts input on CW and 65 watts input on AM phone. Has time-sequence (grid block) keying for clean break-in operation. Temperature-compensated VFO is calibrated for each band. High-gain 100% modulation; 250-3000 cps response. Full meter switching. TVI suppressed. Requires high-impedance mike for AM. Size, 9⅝x15½x14". Built-in power supply for 110-120 v., 50-60 cycle AC. Wt., 56 lbs. Shipped express only.

90 SZ 124. Factory Wired. *$17 Monthly*...359.50

90 SZ 125. Kit Form. *$13 Monthly*..........**249.50**

Hallicrafters Communications Receivers

Save $5.95

on Matching
R-47 Speaker
When You Buy
an SX-110
Receiver

A Fine Value in
A Medium-Priced
Shortwave Receiver

SX-110

$169.95

$9 monthly

General-Coverage SX-110 and Speaker

Get in on the shortwave fun with this superb unit! The SX-110 tunes 540-1680 kc AM broadcast—plus ships, planes, Hams and foreign broadcasts in 3 additional shortwave bands from 1680 kc to 34 mc. Slide-rule bandspread dial is calibrated for the 10, 15, 20, 40 and 80-meter Ham bands and CB channels. Superhet circuit employs crystal filter, calibrated S meter, RF and 2 IF stages, BFO with pitch control, automatic noise limiter, tone control and antenna trimmer. SX-110, 8½x18¾x11", is for 105-125 v., 50-60 cycle AC. R-47 speaker, 5½x5¼x3½". Shpg. wt., 38 lbs.

23 SU 503-2G. *$9 Monthly*.................Both for 176.95

90 SU 058-G. SX-110 Alone. 35 lbs. *$9 Monthly*........**169.95**

90 SX 059. R-47 Speaker Alone. Shpg. wt., 3 lbs.........**12.95**

Save $4.95

on R-47 Speaker
When You Buy
an SX-140—
Kit or Wired

Popular 6 Ham-Band
Receiver Available
Kit or Wired

SX-140 Kit

$114.95

$6 monthly

Amateur-Band SX-140 and Speaker

Sensitive, selective receiver for the 80 through 6-meter Ham bands—matches HT-40 (opposite page) in size, styling, quality and bands covered. Has S meter, ANL, BFO, electrical calibration reset, phone jack, antenna trimmer, 25:1 tuning ratio, internal switching for transmitter and antenna changeover. SX-140, 7 3/16x13⅜x8¼", has built-in supply for 105-125 v., 50-60 cycle AC. R-47 speaker, 5½x5¼x3½". Wt., 17 lbs. *As low as $7 Monthly.*

23 SU 504-2G. With SX-140 Wired.........Both for 147.95

23 SU 505-2G. With SX-140 Kit.............Both for **122.95**

90 SU 087-G. SX-140 Wired Alone. 14 lbs. *$7 Monthly*..**139.95**

90 SU 088-G. SX-140 Kit Alone. 14 lbs. *$6 Monthly*....**114.95**

90 SX 059. R-47 Speaker Alone. Shpg. wt., 3 lbs.........**12.95**

General-Coverage SX-122 and Speaker

Splendid new receiver for the Amateur or listener who wants peak SSB/CW/AM performance at a moderate price! Frequency coverage is 538-1580 kc and 1720 kc to 34 mc in 4 bands, with dual conversion throughout and bandspread for 80-10 meters. Highlights: 3 selectivity steps (.5, 2.5, 5 kc) at 6 db down; crystal-controlled 2nd converter; product/envelope detectors; series noise limiter; amplified AVC; S meter; selectable USB/LSB; sensitivity of 1 μv SSB/CW for 10 db S/N. SX-122, 8x18¾x9¾", for 105-125 v., 50-60 cycle AC. R48 full-fidelity speaker, 6¾x13¼x8¼". Wt., 41 lbs.

23 SU 506-2G. *$15 Monthly*...........Both for 306.00

86 SX 553-G. SX-122 Alone. 32 lbs. *$15 Monthly*..**295.00**

90 SX 060. R-48 Alone. 9 lbs. *$5 Monthly*.........**19.95**

Save $8.95

on R-48
Speaker
When You Buy
an SX-122
Receiver

SX-122

$295.00

$15 monthly

NEW!

Employs dual conversion
throughout its entire
frequency range

Save $11.95

on Matching
R-48 Speaker
When You Buy
an SX-62A
Receiver

Remarkably Wide
6-Band Coverage—from
.55 through 109 mc!

SX-62A

$430.00

$19 monthly

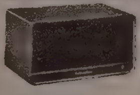
Deluxe AM/FM/SW SX-62A and Speaker

Unique, handsomely styled receiver for excellent reception of AM broadcast, shortwave and FM—continuously tunes from 550 kc to 109 mc in 6 ranges! Push-pull output stage provides 10 watts of full-frequency audio. Ranges: 550-1620 kc; 1620 kc-4.9 mc; 4.9-15 mc; 15-32 mc; 27-56 mc(FM-AM); 54-109 mc (FM-AM). Has 4-position tone control; phono-input jack; 60:1 tuning; 500-kc calibrating crystal; AVC; ANL; 6-position crystal filter; 2 RF, 3 IF stages. SX-62A, 10½x20x16", for 105-125 v., 50-60 cycle AC. R-48 full-fidelity speaker, 6¾x13¼x8¼". 75 lbs. Express.

23 SU 507-2G. *$19 Monthly*..................Both for 438.00

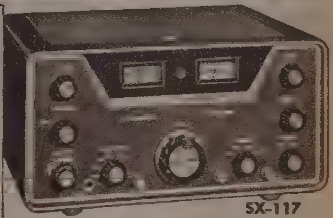
90 SZ 065-G. SX-62A Alone. 66 lbs. *$19 Monthly*......**430.00**

90 SX 060. R-48 Alone. Wt., 9 lbs. *$5 Monthly*..........**19.95**



Save $9.95

on Matching
R-48 Speaker
When You Buy
an SX-117
Receiver



Crystal-Controlled HFO
and Triple Conversion
on Five Ham Bands

SX-117

$379.95

$18 monthly

Precision Amateur-Band SX-117 and Speaker

Beautifully designed, triple-conversion receiver for deluxe SSB/CW/AM—perfect mate for HT-44 (opposite). Crystals furnished for 3.5-4, 7-7.5, 14-14.5, 21-21.5, 28.5-29 mc. Features: transmitter-type linear VFO tuning with crystal-controlled 1st and 3rd converters; selectable sidebands; product/envelope detectors; ½ μv CW sensitivity. SX-117, 7⅛x15x13", for 105-125 v., 50-60 cycle AC. R-48 full-fidelity speaker, 6¾x13¼x8¼". 30 lbs.

23 SU 508-2G. *$18 Monthly*...............Both for 389.95

90 SU 061-G. SX-117 Alone. 21 lbs. *$18 Monthly*......**379.95**

90 S 458. HA-10 160-Meter Converter. Wt., 5 lbs.........**24.95**

90 SX 060. R-48 Alone. Wt., 9 lbs. *$5 Monthly*...........**19.95**

Buy a Communications Receiver and

Popular-Priced Dual-Conversion Receivers by National Radio . . . Ideal for Both Ham and Listener

$239.95
$12 monthly

Save $9.95 on Speaker When You Buy an NC-190

$189.95
$10 monthly

Save $4.95 on Speaker When You Buy an NC-140

National Dual-Conversion NC-190 and Speaker

Buy this popular general-coverage receiver and save $9.95 on matching NTS-3 speaker! Sensitive, highly stable NC-190 tunes 540 kc to 30 mc in 5 ranges, with bandspread for 80-10 meter Ham bands and 6 SW BC bands. Offers: "Ferrite Filter" variable IF selectivity (600 cps CW, 3 kc SSB, 5 kc AM); 1 µv sensitivity; dual conversion above 4 mc; S meter; SSB/CW IF limiting plus series-gate AM limiting; "Flip Foot"; 60:1 bandspread ratio; regulated oscillators. Separate product detector, SSB AGC, and calibrated USB/LSB BFO control give quality SSB reception. Provision for optional crystal calibrator. NC-190, 8¾x15¾x9", for 105-125 v., 50-60 cycle AC. NTS-3 speaker, 8⅝x5⅝x4⅝". 33 lbs.

23 SU 163-2G. *$12 Monthly*.................Both for 249.95

90 SU 001-G. NC-190 Alone. 28 lbs. *$12 Monthly*......239.95

90 SX 003-G. NTS-3 Alone. 5 lbs. *$5 Monthly*...........19.95

National Dual-Conversion NC-140 and Speaker

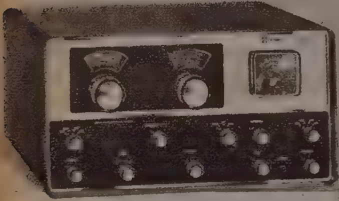
You get a matching speaker at $4.95 savings when you purchase this economy priced general-coverage receiver! The sensitive NC-140 covers 540 kc to 31 mc in 5 ranges—has National's exclusive "dial selector" for calibrated bandspread on the 80 through 10-meter Ham bands and 5 foreign SW BC bands. Q multiplier operates on AM/CW/SSB for continuously variable IF selectivity 500 cps to 8 kc. Also features: dual conversion above 4 mc; 1 µv sensitivity for 10 db S/N; RF stage; series-gate noise limiter; calibrated USB/LSB BFO; edge-reading S meter; AGC; "Flip Foot." NC-140, 8¾x15¾x9", is for 105-125 v., 50-60 cycle AC. NTS-3 speaker, 8⅝x5⅝x4⅝". 33 lbs.

23 SU 766-2G. *$11 Monthly*.................Both for 204.95

90 SU 004-G. NC-140 Alone. 28 lbs. *$10 Monthly*.......189.95

90 SX 003-G. NTS-3 Alone. 5 lbs. *$5 Monthly*...........19.95

knight-kit Model R-100A Communications Receiver Kit



$99.95
$5 monthly

Boasts selectivity and sensitivity needed for top reception . . . No receiver like it in its price class!

A DX-getting favorite with the Amateur fraternity! Sensitivity is ½ to 1½ µv on the 80 through 10-meter bands, with full 540-kc to 30-mc coverage. Has bandspread for 80-10—tunes 160 meters, too. Built-in Q multiplier works on *all modes* to null QRM or peak desired signal. Selectivity continuously variable from 300 cps to 4½ kc at 6 db down. Other highlights: exalted BFO; delayed AVC; ANL; PC bandswitch—many more! See Knight-Kit section for full details.

83 YU 406-G. *$5 Monthly*...99.95

83 Y 423-G. S-Meter Kit.....12.95

83 Y 424-G. S-8A Speaker Kit..9.95

83 Y 256-G. Crystal Calibrator 10.95

New DRAKE R-4 Receiver with MS-4 Matching Speaker

$399.90 Value!
Both for
$391.95
$18 monthly

Save $7.95

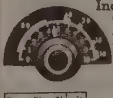
Continuously Movable 4-Step Selectivity

Provision for Extra Ranges

Sensitivity of ½ µv

35 TO 41 MC
50 KC
455 KC

Triple Conversion



Independently Tuned Preselector

Accurately Calibrated

Own this exciting new triple-conversion Amateur-band receiver with its matching speaker at $7.95 savings! Latest addition to Drake's famous line of precision receivers, the R-4 features: 4 selectivity bandwidths (.4, 1.2, 2.4, 4.8 kc); passband tuning for SB selection without retuning and continuous adjustment of passband relative to BFO; all-mode noise blanker; deep-slot notch filter; built-in 100-kc calibrator; product/diode detectors; crystal lattice filter; premixed injection; fast/slow/on-off AVC—much more! Receives SSB/AM/CW/RTTY with full RF gain, accurate S-meter indication and complete AVC action. Completely covers 80, 40, 20, 15 meters plus 28.5-29.0 mc with crystals supplied. *(Crystals for other 500-kc segments from 1.5-30 mc available on special order; allow 30 days for delivery.)* Employs 13 tubes; 7 diodes. R-4 receiver, 5½x10¾x11⅝", is for 120/240 v., 50-60 cycle AC. Matching MS-4, 5⅜x10¾x10¾", contains 5x7" speaker and space for housing power supply for the T-4 Reciter or T-4X transmitter. 26 lbs.

23 SU 771-2G. *$18 Monthly. Save $7.95.* Both for 391.95

90 SX 486-G. R-4 Receiver Alone. Wt., 17 lbs......379.95

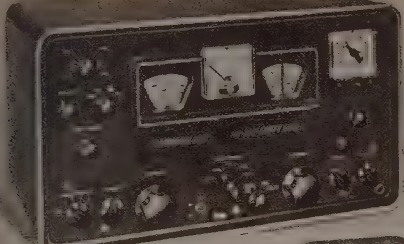
90 SX 487-G. MS-4 Speaker Alone. Wt., 9 lbs........19.95

ALLIED OFFERS THE AMATEUR EVERY BUYING ADVANTAGE. BEST SERVICE—LOWEST PRICES

Own a Receiver-Speaker Package on Our Credit Fund Plan

Save on a Matching Speaker!

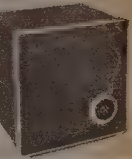
HAMMARLUND



HQ-145XC
$289.00
$15 monthly

Save $6.95 on Speaker When You Buy an HQ-145XC

Purchase one of these outstanding receivers and get a matching speaker at a sharply reduced price!



HQ-100AC
$199.00
$10 monthly

Save $4.95 on Speaker When You Buy an HQ-100AC

Dual-Conversion HQ-145XC and Speaker

Excellent general-coverage and Ham-band reception from 540 kc to 30 mc in 4 ranges, with dual conversion above 10 mc for improved mage rejection. Sensitivity, 1.75 µv AM, .6 µv CW for 10 db S/N. Calibrated bandspread for 80-10 meter Ham bands with CB channel markings and 0-100 logging scale. Also: 6-position crystal filter with 60-db slot; RF/IF AVC action; ANL; S meter; variable BFO; "Auto Response"; 24-hour clock-timer. Provision for crystal-controlled reception on 1 freq. (less crystal). Receiver, 10½x19x13", for 115 v. AC. S-200 speaker, 11x12x9". 54 lbs.

23 SU 767-2G. *$15 Monthly*..................Both for 302.00

90 SU 550-G. HQ-145XC Alone. 44 lbs. *$15 Monthly*...**289.00**

90 SX 656-G. S-200 Alone. Wt., 10 lbs. *$5 Monthly*......**19.95**

90 S 552. XC-100 Crystal Cal. For HQ-145XC. 12 oz.......**15.95**

Moderately Priced HQ-100AC and Speaker

Truly outstanding sensitivity, selectivity and stability for its price class! Provides general-coverage reception of 540 kc to 30 mc in 4 bands with sensitive 10-tube superhet circuitry and calibrated bandspread for the 80-10 meter Ham bands. Separate variable BFO and Q multiplier permit continuously variable selectivity on all modes. Exclusive Hammarlund "Auto Response" circuit automatically adjusts audio to fit all operating conditions. Average sensitivity is 1.75 µv for 10 db S/N. Also has: ANL; CB channel markings; calibrated S meter; antenna compensator; built-in 24-hour clock-timer. Receiver, 9⁷⁄₁₆x16¼x9⅛", for 115 v. AC. S-100 speaker, 9⅝x9⅝x7". Wt., 37 lbs.

23 SU 768-2G. *$11 Monthly*..................Both for 209.00

90 SU 660-G. HQ-100AC Alone. 32 lbs. *$10 Monthly*...**199.00**

90 SX 659-G. S-100 Alone. Shpg. wt., 5 lbs..................**14.95**

HQ-180AC
$449.00
$20 monthly

Save $8.95 on Speaker When You Buy an HQ-180AC

HQ-170AC
$379.00
$18 monthly

Save $7.95 on Speaker When You Buy an HQ-170AC

Triple-Conversion HQ-180AC and Speaker

Precision receiver meeting the most critical needs of both Ham and commercial users—has every refinement for superb SSB, CW and AM performance! Offers general-coverage from 540 kc to 30 mc in 6 ranges with 10 through 80-meter Ham bandspread, triple conversion above 7.85 mc and dual conversion below. Sensitivity, 1.5 µv AM and .7 µv CW for 10 db S/N. Highlights: ±3 kc vernier tuning; 60-db slot filter; selectable sidebands; tuned IF; linear product/diode detectors; selectable AVC action; "Auto Response"; built-in crystal calibrator; series-type ANL; 24-hour clock-timer. Has 16 tubes, rectifier, VR. HQ-180AC, 10½x19x13", is for 115/230 v., 50-60 cycle AC. S-200 speaker, 11x12x9". Wt., 57 lbs.

23 SU 769-2G. *$20 Monthly*..................Both for 460.00

90 SU 554-G. HQ-180AC Alone. 47 lbs. *$20 Monthly*..**449.00**

90 SX 656-G. S-200 Alone. Wt., 10 lbs. *$5 Monthly*......**19.95**

90 S 549. Noise Silencer. For HQ-180AC. 2 lbs..............**33.50**

Triple-Conversion HQ-170AC and Speaker

Deluxe Ham-band receiver brings you peak SSB/CW/AM performance and full coverage of the 6, 10, 15, 20, 40, 80 and 160-meter bands—also has 144-148 mc dial scale for converter use. Employs triple conversion on 40 to 6 meters, dual conversion on lower bands. Average sensitivity, 1.5 µv AM and .7 µv CW for 10 db S/N. Features: ±3 kc vernier tuning; 7 selectivity positions; 60-db slot filter; selectable sideband and AVC action; separate product and diode detectors; "Auto Response"; ANL; built-in 100-kc crystal calibrator; 24-hour clock-timer. Silicon rectifiers for cool, efficient operation. HQ-170AC, 10½x19x13", is for 105-125 v., 50-60 cycle AC. S-200 speaker, 11x12x9". Shpg. wt., 57 lbs.

23 SU 770-2G. *$18 Monthly*..................Both for 391.00

90 SU 543-G. HQ-170AC Alone. 47 lbs. *$18 Monthly*...**379.00**

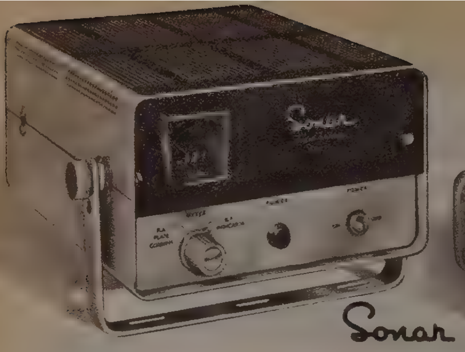
90 SX 656-G. S-200 Alone. Wt., 10 lbs. *$5 Monthly*......**19.95**

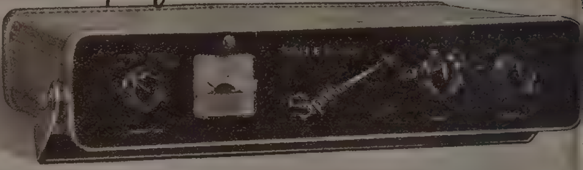
90 S 549. Noise Silencer. For HQ-170AC. 2 lbs..............**33.50**

Items With U in Stock No. Shipped Truck or Express Only

Linear Amplifiers

P&H 'Spitfire' NEW! ONE KW P.E.P. INPUT MOBILE OR FIXED





BR-21 150-Watt Linear Amplifier

AC model **$159.50** **$8 monthly**

- **Covers 25-50 Mc Business Band; CB Ch. 23; 10, 6-Meter Ham Bands**
- **Needs Just 1 to 10 Watts of Drive**
- **Self-Contained Forced-Air Cooling**

Provides up to 150 watts input on the 25 to 30-mc Business Band, the 10 or 6-meter Amateur bands, or Channel 23 of the Citizens Band (Class C permit required). Requires as little as 1-10 watts RF excitation (1-30 watts for Ham bands). Harmonic attenuation, better than 60 db; noise attenuation, better than 90 db. May be used with either AM or FM exciters. Electronic switching circuit permits normal operation of driver/transmitter. Automatic standby/transmit CW keying. Self-contained, forced-air cooling system for continuous-duty work. Input and output impedance, 50 ohms. Comes ready for 25-30 mc operation, with easy conversion instructions for 10 or 6 meters. Power requirements: 180 watts on transmit; 90 watts on standby. Employs 1—12AT7, 4—6JB6's and 4 silicon rectifiers. Compact, all-aluminum cabinet is only 4¾x8¼x10¼". With coaxial cable and connector. Built-in power supply for 110-120 volt, 60 cycle AC. Shpg. wt., 14 lbs.

86 SX 800-G. *$8 Monthly*.......................... **159.50**
86 SX 801-G. 12-Volt DC Mobile Model. *$10 Monthly*... **184.50**

LA-500M One-Kw Linear Amplifier

less supply **$189.95** **$10 monthly**

- **Full Coverage of 80-10 Meter Bands**
- **1-Knob Tuning; Preset Antenna Loading**
- **Built-In Antenna Switching to Transceiver**
- **Uses Six 12JB6 Tubes For 1 KW PEP**

An all-new linear designed to put your portable or mobile signal on a par with fixed stations! Six easy-to-replace 12JB6's are high mu-triode connected in grounded-grid circuitry, with a 70-ohm pad across the input for a more constant load impedance to the exciter. Pi-network employs preset antenna loading for each band 80 through 10 meters, permitting simplified amplifier tuning. Built-in VOX antenna switching—no need for 2 coaxial relays. Heat-sink type support plate for tubes and unique construction permit free air convection cooling without use of blower. Zener diode in DC cathode path provides amplifier bias. Meter reads plate input and RF output. Input/output impedance, 50 ohms. Space-saving, chrome-plated case—only 3⅛x14⅞x11¾". Requires 13 v. DC or 12.6 v. AC for filaments, and 900-1200 v. DC @ 1 amp peak (500 ma av.) for plate; or power supplies below. Wt., 15 lbs.

86 SX 592-G. *$10 Monthly*.......................... **189.95**
86 SX 640-G. PS-1000B DC Supply. For 12 v. 10 lbs..... **179.95**
86 SX 641-G. PS-1000 AC Supply. For 115 v. 45 lbs..... **119.95**

hallicrafters

HT-45 Loudenboomer Mark IIA Linear

$299.50 **$15 monthly**

- **Complete Coverage of 80-10 Meter Bands**
- **Runs Full Legal Input on SSB and CW**
- **Zero-Bias Grounded-Grid Circuitry**
- **Matches SR-160, HT-44 and SX-117**

An efficient table-top linear amplifier employing a 3-400Z hi-mu triode in a cathode-driven, grounded-grid circuit—capable of a full 2-kw PEP input when used with any 3000-volt plate supply, or with the optional model P-45 AC power supply below. Companion styling and functions for Hallicrafters' SX-117 receiver, HT-44 transmitter, and SR-150 and SR-160 transceivers. Offers complete SSB and CW coverage of the 80, 40, 20, 15 and 10-meter Amateur bands.

Input impedance is 50 ohms; unit requires a nominal driving power of 40 watts. Complete 4-way panel metering of plate voltage, plate current, grid current and relative RF power output. 3rd and 5th order distortion products are down in excess of 30 db. Compact cabinet is 7⅛x15x13". Less power supply, below. Wt., 28 lbs. *See other Hallicrafters' listings elsewhere in this section.*

86 SX 555. *$15 Monthly*.......................... **299.50**
86 SX 556. P-45 AC Supply. For 115 volts. 75 lbs....... **199.50**

NEW! "Bandit" 2000B Linear Amplifier

$575.00 **$24 monthly**

- **Complete Coverage of 80-10 Meter Bands**
- **Runs Full Legal Input on SSB and CW**
- **Self-Contained Solid-State AC Supply**
- **Zero-Bias Grounded-Grid Circuitry**

An excellent linear for fixed-station work, the Bandit 2000A is specially designed for operation with SSB transmitters having a nominal 160 watts of PEP input, and with exciters or transceivers of 100-watts output. Features: built-in AC power supply; 2000 watts PEP input; built-in relay-controlled antenna transfer; aluminum cabinet for maximum shielding; forced-air cooling by two fans; 4 conservatively rated UE572B zero-bias triodes as power amplifiers. Separate adjustable RF output meter permits matching of any output impedance and also serves as modulation indicator; plate circuit is metered for voltage and current. Self-contained power supply has a 2090-watt Orthosil-wound transformer core and a solid-state rectifier system in a voltage-doubler circuit; links permit changing from 115 to 230-volt operation. Switch for selection of plate voltages of 2000, 2200 or 2400 volts. Size, only 6¾x14¾x14". For 115/230 v., 60 cycle AC. Wt., 45 lbs.

86 SU 593-G. *$24 Monthly*.......................... **575.00**

Low-Cost Values for Shortwave Listening Fun

Hallicrafters S-120 Economy Shortwave Listener Package

hallicrafters

S-120 Alone $\$69^{95}$ $5 monthly | **Complete Package** $\$84^{95}$ $5 monthly **Save $12.87**

Hear ships, planes, Hams, foreign stations, time signals, local AM broadcasts and lots more with this budget-stretching Allied exclusive! See what you get: **Famous S-120 Receiver plus . . . 12″ full-color Replogle Talking Globe; Mastercrafters Type 191 24-Hour Clock; Dual Headphones with plug; "Story of Mr. World," book and two 7″ 33⅓-rpm records narrated by Lowell Thomas Jr.; "Amazing World of Shortwave Listening," a 45-rpm record narrated by Alex Dreier; "Guide to Listening" booklet.** S-120 tunes 550-1600 kc and 3 shortwave bands from 1600 kc to 30 mc. Electrical bandspread control "spreads out" stations, makes tuning easy. Also has BFO for code reception, headphone jack, AVC circuit to prevent fading and blasting, built-in ferrite loop and whip antennas, and self-contained speaker. Headphones are included for your private listening. Colorful 12″ globe comes with scale for calculating time and air mileages. Mastercrafters 24-hour clock, for wall mounting, simplifies logging. Receiver, in 5⅞x13½x8¾″ steel cabinet, is for 105-125 v., 50-60 cycle AC or DC. Shpg. wt., 22 lbs.

23 SU 791-3G. *$5 Monthly. Save $12.87*... **Complete Pkg.** 84.95
90 SX 064. S-120 Receiver Alone. Wt., 13 lbs. *$5 Monthly*...**69.95**
89 S 472. Type 191 Clock Alone. 1½ lbs. **Includes F.E.T.**.......**8.47**

Hallicrafters S-108 Shortwave Receiver

A fine general-coverage receiver for worldwide listening! Tunes standard AM and shortwave bands from 540 kc to 34 mc in 4 ranges. Slide-rule bandspread dial is calibrated for the 80, 40, 20, 15 and 10-meter Ham bands. Superhet circuit utilizes one RF stage and 2 IF stages. Also has variable BFO; ANL; 3-position tone control; AVC; phone jack; 5″ speaker. 8x18¾x10¾″. For 105-125 v., 50-60 cycle AC. 37 lbs.

90 SU 067. *$7 Monthly*....139.95

$\$139^{95}$ $7 monthly

National NC-121 Deluxe Shortwave Listener Package

National NC

NC-121 Alone $\$139^{95}$ $7 monthly | **Complete Package** $\$159^{95}$ $8 monthly **Save $16.82**

Now you can take part in fun-packed, highly educational shortwave listening at big $16.82 savings! Look at what this bargain-priced package includes: **Popular NC-121 Receiver plus . . . Springfield Home Weather Station with thermometer, barometer, humidity meter; 12″ full-color Replogle Talking Globe; Mastercrafters Type 191 24-Hour Wall Clock; Dual Headphones with plug; "Story of Mr. World," book and two 7″ 33⅓-rpm records narrated by Lowell Thomas Jr.; "Amazing World of Shortwave Listening," a 45-rpm record narrated by Alex Dreier; "Guide to Listening" booklet.** NC-121 superhet receiver covers 550 kc to 30 mc in 4 ranges. Features S meter, peaking Q multiplier, automatic noise limiter, automatic gain control, product detector for code/SSB reception, diode detector for AM, headphone jack, built-in 5″ speaker, and bandspread control. Special bandspread charts for Amateur, CB and foreign broadcast bands. Springfield weather station consists of 3 accurate weather instruments mounted on a beautiful wood-grained 15½x5¾″ wall panel. Receiver, in 7⅝x13½x8⅝″ steel cabinet, is for 105-125 v., 50-60 cycle AC. Shpg. wt., 28 lbs.

23 SU 792-4G. *$8 Monthly. Save $16.82.* .**Complete Pkg.** 159.95
86 SU 430. NC-121 Receiver Alone. 16 lbs. *$5 Monthly*.....**139.95**
24 SC 103. Weather Station Alone. Wt., 3 lbs...............**8.95**
89 S 472. Type 191 Clock Alone. 1½ lbs. **Includes F.E.T.**......**8.47**

Low-Cost National NC-77X Shortwave Receiver

Ideal for the shortwave beginner, this economy-priced superheterodyne receiver tunes 540 kc to 31 mc in 4 ranges with full electrical bandspread. Frequencies for marine, aircraft, Ham, CB, WWV time signals, foreign shortwave and standard AM broadcast are clearly marked on easy-to-read dial. Transformer supply eliminates hum, shock hazard. Has 5″ speaker, code oscillator, phone jack. 7⅝x8⅝x13½″. For 110-120 v., 60 cycle AC. 19 lbs.

86 SX 469. *$5 Monthly*........69.95

$\$69^{95}$ $5 monthly

Learn the Code With These Low-Cost Aids!

With Hand Key

knight-kit LC-1 Code Practice Oscillator Kit

$7.95 Scouts, Hobbyists and Hams-to-Be—Learn Code Fast on This Handy Unit

Assembly is a breeze, code learning is fun. Two-transistor oscillator has built-in speaker and flasher light, plus headphone jack for privacy. With adjustable hand key and battery. Shpg. wt., 2¾ lbs. **Full details in Knight-Kit section.**
83 Y 432-G..............7.95

Allied's Own Code Course

ALLIED RADIO
INTERNATIONAL MORSE
CODE COURSE

Complete 10-lesson course

$4.49

A complete, 10-lesson course on one 12″ 33½-rpm record. Lets you learn code to pass Amateur exams. Consists of 5 lessons per side—takes you up to 15 wpm. Back of jacket has code table. Includes 20-page instruction book. 1 lb.
89 S 573-G....................4.49

Rider Code Courses

"Sight 'N' Sound" course on 10″, 33½-rpm records. You advance one wpm per day.

REC-08 NOVICE COURSE. (0-8 wpm.) 3 LP's, 47 cards, book. 2 lbs.
89 S 558-G....................9.50

REC-920 ADVANCED COURSE. (9-20 wpm.) 3 LP's, cards, book. 2 lbs.
89 S 564-G....................8.95

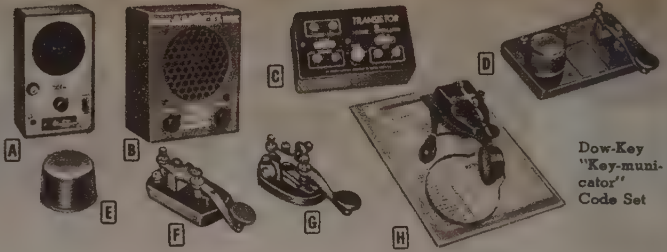
REC-020 COMPLETE COURSE. (0-20 wpm.) 6 LP's, cards, book. Wt., 6 lbs.
89 S 565-G....................15.95

Ameco Code Courses

Junior: five 45-rpm records or one 33⅓ LP; 0 to 7½ wpm. **Advanced:** six 45-rpm records or one 33⅓ LP; 8½ to 18 wpm. **Senior:** eleven 45-rpm records or two 33⅓ LP's; 0 to 18 wpm. All have 28 p. manual.

Stock No.	Course	Speed	Lbs.	EACH
89 S 591-G	junior	45	2	5.95
89 S 592-G	junior	33⅓	1	4.95
89 S 594-G	advanced	45	2	4.95
89 S 596-G	advanced	33⅓	1	4.95
89 S 616-G	senior	45	4	10.50
89 S 617-G	senior	33⅓	2	9.50

See Pages 328-329 for Money-Saving Bargains in Shortwave Receivers



Dow-Key "Key-muni-cator" Code Set

A **EICO 706 CODE OSCILLATOR.** All-transistor unit has built-in 2½″ PM speaker, pitch control, headphone jack. Switch selects tone, flashing light or both. 6½x3¾x2¾″. With battery. 2 lbs.
89 S 621-G. Factory Wired.....12.95
89 S 627-G. Kit Form...........8.95

B **AMECO CPS-WT CODE OSCILLATOR.** Deluxe unit has built-in 4″ PM speaker with click filter for loud, clear tone. Doubles as a keying monitor. 6½x5x3½″. For 115 v. AC/DC. 4 lbs.
89 S 722....................14.95

C **JACKSON 562-B CODE OSCILLATOR.** All-transistor unit for use with external magnetic headphones and hand key. Has variable tone control. Less battery, listed below. Shpg. wt., 2 lbs.
89 S 628-G....................9.95
55 J 867. 1½-Volt. Battery. For above. Shpg. wt., 8 oz.......... **Pkg. of 4 for 52¢**

D **JOHNSON 114-450 CODE SET.** Consists of key and constant high-frequency adjustable buzzer on bakelite base. Silver key contacts. May be used singly or in pairs. Requires two 1½-v. batteries. 2 lbs.
89 S 910-G....................4.95

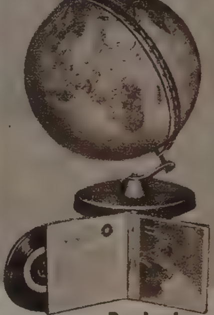
E **JOHNSON 114-400 BUZZER.** Buzzer alone (from 114-450, below left). Screw adjustment varies stable high-frequency tone. Requires two 1½-volt batteries. Shpg. wt., 5 oz.
89 S 911-G....................1.85

F **JOHNSON 114-300 PRACTICE KEY.** Low-cost general-purpose key. Ideal for code practice or actual transmitter keying. Brown phenolic base and knob. Easily adjustable spring, bearings, and contact spacing. ⅛″ silver contacts. With code card. Shpg. wt., 8 oz.
89 S 904....................2.25

G **JOHNSON 114-310 STANDARD KEY.** For the beginner or experienced operator. "Cushion contact" design offers smooth action. Mechanical parts are nickel-plated. ⅛″ silver contacts. Adjustable tension, spacing, bearings. Die-cast base, black wrinkle finish. 2 lbs.
89 S 903-G....................3.25

H **DOW-KEY "KEY-MUNICATOR" SET.** Low-cost practice set. Two or more can be wired together. Has transistor oscillator and key on 9x12″ board that lists code. With earphone, message pad, batteries. Shpg. wt., 2 lbs.
89 S 902-G....................5.95

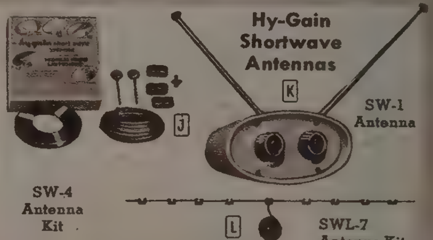
Selected SWL and Ham Buys



Replogle 12″ "Talking Globe" Package

$12.95 12″ Stereo Relief Globe, Book, Record

For Hams and SWL's. Big 12″ full-color world globe features stereo relief—raised surface shows mountains and valleys—you see and feel the earth's contours. Removable flight time/air mileage scale. Book gives history of the earth, explains how to use globe. 33⅓ rpm record takes you "around the world". 7 lbs.
86 SX 173-G....................12.95



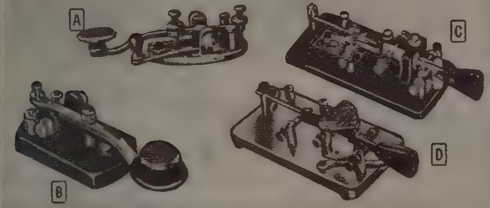
J **HY-GAIN SW-4 DIPOLE KIT.** Low-cost antenna kit for shortwave bands. Includes 50′ copper wire, insulators, 65′ leadin. 4 lbs.
86 SX 174-G....................3.95

K **HY-GAIN SW-1 INDOOR ANTENNA.** Covers 5-30 mc. Has chrome telescoping ears, tuning controls, 6′ cable. Plastic housing. Shpg. wt., 2 lbs.
90 SX 349-G....................14.75

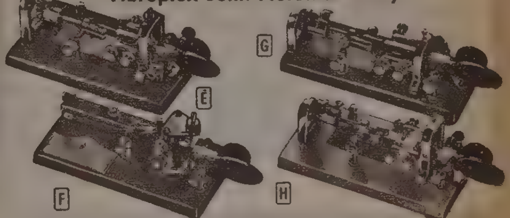
L **HY-GAIN SWL-7 DIPOLE KIT.** For 11-49 meter shortwave bands. Includes traps, connector, 45′ copper wire, insulators, 100′ leadin. 4 lbs.
90 SX 346-G....................15.04

Hand, Semi-Automatic and Electronic Keys

Johnson Speed-X Keys



Vibroplex Semi-Automatic Keys



A **114-100-3 DELUXE HAND KEY.** Precision-made key of exceptional quality—excellent for beginner and old-timer alike. Has carefully tempered spring and hardened fine-point pivots for smoothest sending action. Spring tension, contact pressure and bearing pressure are adjustable. Pit-resistant .072″ dia. contacts. Satin-brass finish. Has shorting switch. 2 lbs.
89 S 912-G........................7.35

89 S 919-G. Model 114-100. Above, less shorting switch.....**6.45**

B **114-320 STANDARD KEY.** Hand key for easy, comfortable sending. Chrome-plated key arm is suspended from hardened steel bearings. Large, ¼″ coin-silver contacts. Improved Navy-type knob. Adjustable contacts and tension. Black die-cast base. 2 lbs.
89 S 920-G........................4.70

C **114-520 SPECIAL SEMI-AUTOMATIC KEY.** Offers smooth and effortless radiotelegraph sending. Contact spacing and sliding weight easily adjust to desired speed. Has circuit-closing switch and ⅛″ coin-silver contacts. Rubber feet prevent marring finished surfaces and keep "bug" in stationary position on desk. Hardware and vibrator are heavily chrome-plated. Die-cast base has black-wrinkle enamel finish. Shpg. wt., 4 lbs.
89 S 926-G........................15.95

D **114-501 DELUXE SEMI-AUTOMATIC KEY.** A deluxe speed-key with rugged ¼″ contacts. Arm, posts, circuit-closing switch and all machined parts are heavily chrome-plated. Adjustable from lowest to highest sending speeds. Has 5 locknut adjustments—plastic paddles adjust separately to preferred height. On handsome polished chrome base with rubber feet. 5 lbs.
89 S 934-G. *$5 Monthly*........................22.95

E **"ORIGINAL" SEMI-AUTOMATIC KEY.** An easy-working "bug" for speeds from 10 wpm on up. Preferred and used by many veteran operators. Chrome-plated mechanism; gray cast-iron base with slip-proof rubber feet. Wt., 5 lbs.
89 S 939-G *$5 Monthly*........................22.45

89 S 940-G. Deluxe "Original." Above, with jeweled bearings and fully chrome-plated base. Wt., 5 lbs. *$5 Monthly*.......**26.95**

F **"CHAMPION" SEMI-AUTOMATIC KEY.** Chrome-plated mechanism. Gray crackle-finish base. 4 lbs.
89 S 949-G........................17.95

G **"PRESENTATION" SEMI-AUTOMATIC KEY.** Beautifully made key featuring patented adjustable mainspring for wide speed range. Jeweled movement resists friction, prolongs life. Chromium precision-machined parts mounted on 24K gold-plated base top. Red knob, finger and thumb pieces. Wt., 5 lbs.
89 S 942-G *$5 Monthly*........................33.95

H **"BLUE RACER" SEMI-AUTOMATIC KEY.** Small, low-cost and well-built. Chrome-plated mechanism. Gray base. 4 lbs.
89 S 941-G *$5 Monthly*........................22.45

89 S 943-G. Deluxe "Blue Racer." Above, but has jeweled bearings and chrome base. Wt., 4 lbs. *$5 Monthly*..........**26.95**

CARRYING CASE. (Not illus.) For Vibroplex keys above except "Blue Racer" models. Cloth-lined; protects key from dust and moisture. Has lock, key, handle. 2 lbs.
89 S 944-G........................6.75

CORD AND WEDGE SET. For above keys. 3 oz.
89 S 945-G........................1.75

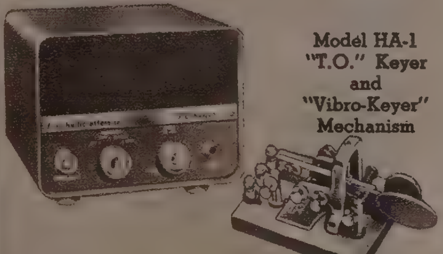
Hallicrafters and Vibroplex Keying Package

Allied Special

HA-1 "T.O." KEYER
Plus "VIBRO-KEYER"

Both For Only
$89⁹⁵ $5 monthly

Save $7.95



Model HA-1
"T.O." Keyer
and
"Vibro-Keyer"
Mechanism

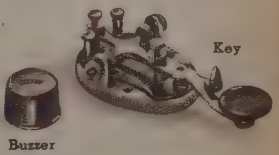
HALLICRAFTERS MODEL HA-1 "T.O." KEYER. Advanced electronic keyer for smooth, clear sending. Dots and dashes are self-completing with perfect spacing. Electronic timing circuits are calibrated in 10-30 and 35-65 wpm ranges. Has side-tone monitor, speaker, headphone jack; mercury-wetted keying relay. 5x7x7″. Less keying mechanism. For 110-120 v., 50-60 cycle AC. 9 lbs.
90 S 119. *$5 Monthly*..........79.95

VIBROPLEX "VIBRO-KEYER" KEYING MECHANISM. Employs famous Vibroplex trunion lever for fast, effortless sending. Adjustable contact spacing and tension. Has sturdy frame, chrome-finished parts, large 3/16″ contacts, red finger and thumb pieces, beige-colored 3½x4½″ base, rubber feet. Shpg. wt., 3 lbs.
89 S 946..........17.95
89 S 947. Deluxe "Vibro-Keyer." Above, but chrome-plated base..........**22.45**

COMPLETE PACKAGE—Save $7.95. Includes Hallicrafters Model HA-1 "T.O." Keyer and Vibroplex "Vibro-Keyer" Mechanism. 12 lbs.
86 SX 560-G. *$5 Monthly*........................89.95
86 SX 581-G. Save $8.45. Above, but with Deluxe "Vibro-Keyer"..............**93.95**

SPECIAL BARGAIN

Heavy-Duty Key and Buzzer

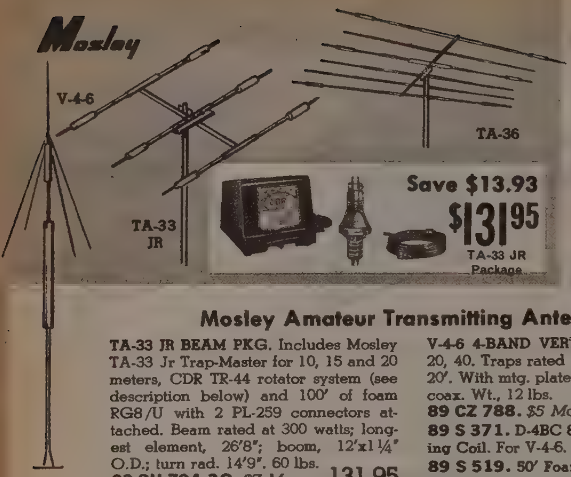


Both Only
$2⁴⁹

An Allied Special Outfit for the Beginning Ham

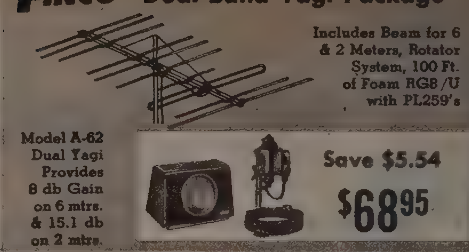
Save 47¢ on outfit. Hand key is ideal for either novice or expert. Has polished solid brass base, silver contacts, fully adjustable tension and spacing, nickel-plated hardware, standard black knob and shorting bar. Adjustable buzzer holds constant frequency, has molded base and cap. Uses any 2—1½-v. batteries (not supplied). 2½ lbs.
90 S 025-G. BOTH FOR...2.49
86 S 656-G. Key Alone. 2 lbs. **1.98**
90 S 018-G. Buzzer Alone. 6 oz. **98¢**

Mosley



10-40 Meter Vertical

FINCO Dual-Band Yagi Package


Includes Beam for 6 & 2 Meters, Rotator System, 100 Ft. of Foam RG8/U with PL259's

Model A-62 Dual Yagi Provides 8 db Gain on 6 mtrs. & 15.1 db on 2 mtrs.

Mosley Amateur Transmitting Antennas

TA-33 JR BEAM PKG. Includes Mosley TA-33 Jr Trap-Master for 10, 15 and 20 meters, CDR TR-44 rotator system (see description below) and 100′ of foam RG8/U with 2 PL-259 connectors attached. Beam rated at 300 watts; longest element, 26′8″; boom, 12′x1¼″ O.D.; turn rad. 14′9″. 60 lbs.
23 SU 794-3G. *$7 Mo....* 131.95

89 CZ 787. TA-33 Jr Alone. Shpg. wt., 29 lbs. *$5 Monthly*............**72.98**

89 CZ 786. **TA-33 Beam.** Similar to TA-33 Jr, but handles 1 kw. Requires CDR HAM-M rotator. 55 lbs...**104.75**

V-4-6 4-BAND VERTICAL. For 10, 15, 20, 40. Traps rated 1 kw. Telescopes to 20′. With mtg. plate, guys. Less radials, coax. Wt., 12 lbs.
89 CZ 788. *$5 Monthly*......28.50

89 S 371. D-4BC 80-Meter Base Loading Coil. For V-4-6. 4 lbs.........**16.45**

89 S 519. 50′ Foam RG8/U Coax & 2 PL-259s. For V-4-6. 6 lbs.........**8.50**

TA-36 3-BAND BEAM. Wide-spaced, for 10, 15, 20. 9 db gain on 10 mtrs.; 8.5 db on 15; 8 db on 20. Handles 1 kw. Turning rad., 19′3″. 76 lbs.
89 CZ 785. *$7 Monthly*...132.10

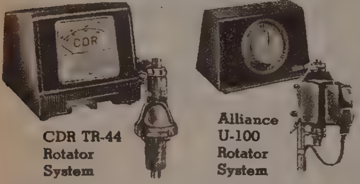
FINCO 6 & 2-METER BEAM PKG. You get the famous A-62 beam, Alliance U-100 rotator system, and 100′ of efficient, foam-type RG8/U coaxial cable with 2 PL-259 connectors attached. Beam has U-bolt and saddle assembly, 10′ boom of 1″ sq. aluminum. Turning radius, 6′11″. Less mast. Alliance U-100 beam rotator system is described left, below. Shpg. wt., 35 lbs.
23 SU 795-3G. *$5 Monthly.* 68.95

89 CZ 782. A-62 Alone. 12 lbs.**32.34**

89 CZ 783. Stacking Kit. 1 lb...**2.15**

89 S 522. 100′ Foam RG8/U Coax and 2 PL-259s. Wt., 11 lbs..........**13.95**

Beam Rotator Systems

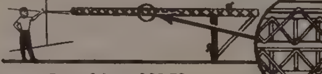


CDR TR-44. Low cost system for support, control, rotation of full-size Ham arrays. Rotator has 48 heavy-duty bearings in two 6½″ ball races, 450 inch-lbs. av. torque. Indicator calibrated in compass points and 3° increments; double stage switch for reading indicator with motor off. For mast or pipe to 2$\frac{1}{16}$″ O.D. Less 7-wire cable. For 110-120 v., 50-60 cycle AC. 20 lbs.
90 SX 479. *$5 Monthly*.........58.95

CDR HAM-M. (Not illus.) Extra-heavy duty—supports over 1000 lbs. Same indicator as above. Less 8-cond. cable. 27 lbs.
89 SX 025. *$6 Monthly*........117.11

ALLIANCE U-100. Compact 7¼x5¼x8″ rotator is weather-sealed and factory lubricated for life—ideal for VHF beams. 1-rpm motor reverses instantly; magnetic brakes prevent overshoot and drifting. Control-indicator unit calibrated with 8 compass points. Less 4-wire control cable. For 110-120 v., 50-60 cycle AC. Wt., 12 lbs.
92 CX 442. *$5 Monthly*.........28.20

E-Z Way Tiltover Towers


Priced from $99.50

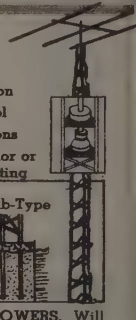
High-tensile steel tubing with solid steel rod, diagonal bracing, built-in ladder. All for full-sized arrays except 6046P, VHF antennas. All are 2-section std.-duty except *RBX-60-3G, 3-section heavy-duty. Have hot-dipped galvanized surfaces except †dip-painted surface. Accept std. rotor heads, left. *Specify rotator to be used. Towers shipped prepaid by rail from Tampa, Fla.—slight extra charge for truck shipment. Send remittance on cash orders—no C.O.D. Or use our Credit Fund Plan.*

Stock No.	Type	Ht.	Lbs.	EACH
F86 CZ 212-G	HD-40P†	40′	140	99.50
F89 CZ 827-G	RBS-40P†	41′	180	169.50
F89 CZ 828-G	RBS-40G	41′	190	209.50
F89 CZ 836-G	RBS-50G	51′	235	279.50
F86 CZ 233-G	6046P†	55′	270	189.00
F89 CZ 854-G	RBX-60-3G*	60′	355	410.00

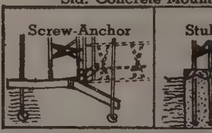
TOWER MOUNTING KITS. For above.

Stock No.	Type	For	Lbs.	EACH
F86 CZ 248-G	BAK-D	HD-40P	8	6.75
F89 CZ 866-G	BAK-S40	Any RBS Twr.	10	10.50
F89 CZ 894-G	GPK-S40	RBS-40P or G	150	75.00
F86 CZ 239-G	TOP-S40	RBS-40 or 6406P	75	75.00
F86 CZ 241-G	TOP-S50G	RBS-50G	90	90.00
F86 CZ 247-G	TOP-X60-3	RBX-60-3G	120	120.00

Spaulding Towers



- All-Riveted Construction
- 100% Galvanized Steel
- Assembled 8-Ft. Sections
- Choice of Screw-Anchor or Std. Concrete Mounting



SERIES HAX STANDARD TOWERS. Will support smaller-sized beam, rotator and clutch brake assembly. Factory-assembled 8-ft. sections; all-riveted construction. Withstand high winds. Top of HAX-48 is 10$\frac{3}{16}$″ across one side of triangle; bottom, 25″ across. Choice of tri-channel screw-anchor hinge-over base or stub base. HAX-B types are free-standing with screw-anchor base—no concrete needed. Others have stubs for concrete mtg. All have rotor plate and top plate assembly. Less mast. *Shipped F.O.B. Frankfort, Ind. No C.O.D. Shipping charges will be collected on delivery. Or—use our Credit Fund Plan.*

Stock No.	Type	Ht.	Sec.	Lbs.	EACH
F90 CZ 438-G	HAX-32B	32′	4	184	78.05
F90 CZ 439-G	HAX-40B	40′	5	229	98.17
F90 CZ 440-G	HAX-48B	48′	6	367	134.55
F90 CZ 441-G	HAX-32	32′	4	115	58.85
F90 CZ 442-G	HAX-40	40′	5	160	80.70
F90 CZ 443-G	HAX-48	48′	6	220	111.35

SERIES HDX HEAVY-DUTY TOWERS. As above but of extra-heavy galvanized steel—support full-sized beams. HDX-48 top is 12¾″ (bottom 28″) across one side of triangle. HDX-B types have screw-anchor base; others base stubs for concrete mtg.

Stock No.	Type	Ht.	Sec.	Lbs.	EACH
F90 CZ 444-G	HDX-32B	32′	4	212	100.35
F90 CZ 445-G	HDX-40B	40′	5	361	143.95
F90 CZ 446-G	HDX-48B	48′	6	430	181.50
F90 CZ 447-G	HDX-32	32′	4	143	79.45
F90 CZ 448-G	HDX-40	40′	5	206	110.10
F90 CZ 449-G	HDX-48	48′	6	280	145.25

Hy-Gain Single-Band and Multiband Doublets

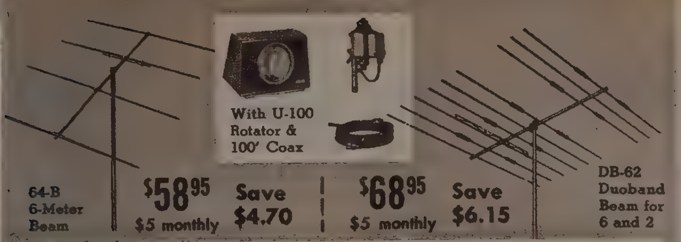
SINGLE BAND DOUBLETS. Handle 300 watts. With copper clad wire, all insulators and hardware, and 50 feet of RG-58/U coaxial cable for transmission line.

Stock No.	Type	Bands	Lbs.	EACH
86 SX 168	HD-1	10-15	3	6.25
86 SX 169	HD-2	20	3	6.50
86 SX 170	HD-3	40	3	7.50
86 SX 171	HD-4	80	3	8.95

MULTIBAND DOUBLETS. Traps take 1 kw PEP except *trapless, 2 kw. With insulators, less 52-ohm coax. Av. wt., 5 lbs.

Stock No.	Type	Bands	Ft.	EACH
89 SX 770	2BDP*	15, 40, 80	128	19.95
89 SX 771	2BDT	40, 80	96	19.95
89 SX 772	3BDT	10, 15, 20	29	17.50
89 SX 773	4BDT	10 thru 40	65	24.50
89 SX 774	5BDT	10 thru 80	108	34.95

Hy-Gain Amateur VHF Beam Packages


With U-100 Rotator & 100′ Coax
64-B 6-Meter Beam
DB-62 Duoband Beam for 6 and 2

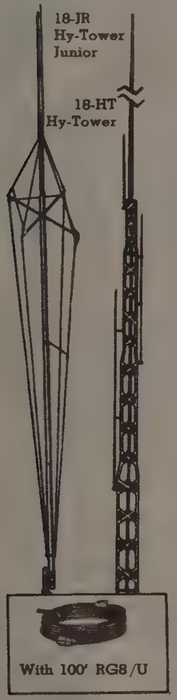
$\$58^{95}$ $5 monthly **Save $4.70** | $\$68^{95}$ $5 monthly **Save $6.15**

64-B 4-ELEMENT 6-METER BEAM PKG. Includes popular Hy-Gain 64-B beam, Alliance U-100 rotator system, and 100′ of efficient, foam-type RG8/U coaxial cable with 2 PL-259s attached. Beam has 11.7 db forward gain, 10′ boom, Beta match and 1 kw rating. Alliance U-100 rotator system is described on opposite page. Wt., 31 lbs. *Save $6.66.*
23 SU 796-3G. *$5 Monthly.* 58.95

DB-62 6 & 2-METER BEAM PKG. Includes Hy-Gain DB-62 beam, Alliance U-100 rotator system (see description, opposite page), and 100′ of foam RG8/U coax with 2 PL-259s attached. Beam features: 4 el. on 6 meters with 8 db gain; 18 el. on 2 meters with 15 db gain; F/B ratio of 15 to 20 db; 10′ boom; longest el., 10′. 30 lbs. *Save $7.81.*
23 SU 797-3G. *$5 Monthly.* 68.95

86 CZ 164. 64-B 6-Meter Beam Alone. Shpg. wt., 8 lbs. *$5 Monthly*......**21.50**
89 CZ 758. DB-62 6 and 2-Meter Beam Alone. Wt., 7 lbs. *$5 Monthly*....**32.95**
86 CZ 165. 66-B 6-Element 6-Meter Beam. 15 db. 24′ boom. 17 lbs.......**38.50**
86 CZ 166. "23" 3-Element 2-Meter Beam. 10 db. 3′ boom. Wt., 2 lbs......**6.95**
86 CZ 167. "28" 8-Element 2-Meter Beam. 16.5 db. 14′ boom. 5 lbs......**16.50**

Hy-Gain Multiband Vertical Packages



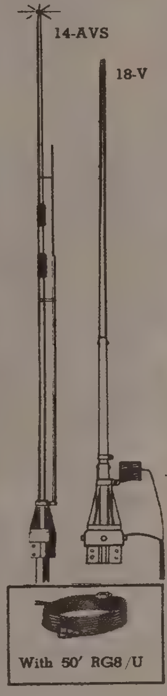
$\$89^{90}$ **Save $4.00** | $\$146^{45}$ **Save $7.00**

18-JR "HY-TOWER JUNIOR" PKG. You get the self-supporting multiband vertical plus 100′ of foam RG8/U coax with 2 PL-259s attached. 18-JR covers 10, 15, 20, 40, 80 meters with SWR of less than 2:1. Overall ht., 38′. No switching, no traps. Rated 1 kw. Lightweight and easy to install. Mounts on 1⅝″ O.D. pipe. 41 lbs. *Save $4.00.*
23 SU 925-2G. *$5 Monthly*.....89.90
86 CZ 142. 18-JR Alone. 30 lbs....**79.95**

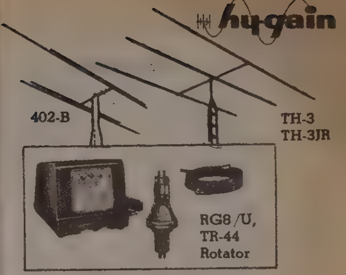
18-HT "HY-TOWER" PKG. Includes Hy-Tower and 100′ of foam RG8/U with 2 PL-259s. The 18-HT is the "big brother" of the 18-JR, above: covers same bands. Uses stub decoupling. X-braced steel tower is completely self-supporting. Ht., 50 overall. With base insulators. Less ground rod. 118 lbs. *Save $7.00.*
23 SU 926-2G. *$8 Monthly*....146.45
89 CZ 769. 18-HT Alone. 107 lbs. **139.50**
86 S 147. LC-160 Loading Coil. For 18-HT or 18-JR 160-meter work. 1 lb. . **12.95**

14-AVS TRAP VERTICAL PKG. Includes 14-AVS and 50′ of foam-type RG8/U coax with 2 PL-259s attached. Self-supporting vertical covers 10 through 40-meter bands. Uses solid-state traps. Only 20′ high. Easy to mount on roof or ground. Takes 2 kw PEP. Requires roof mtg. kit, below. 17 lbs. *Save $3.95.*
23 SU 798-2G. *$5 Monthly*.....34.50
89 CZ 765. 14-AVS Alone. 11 lbs. **29.95**
89 CU 767. 14-RMK Roof Mtg. Kit. Mast, radials, hdwe. for above. 5 lbs......**11.95**
89 S 350. LC-80 Loading Coil. For 14-AVS 80-meter operation. 1 lb........**7.95**
86 S 145. 6-MK Decoupling Stub. For 14-AVS 6-meter operation. 2 lbs........**4.95**

18-V TRAPLESS VERTICAL PKG. Includes 18-V and 50′ of foam RG8/U coax with 2 PL-259s attached. Economy vertical tunes 10 through 80 meters by simple adjustment. Heavy-wall aluminum tubing radiator. Heavy-duty base insulator. 18′ high. Completely self-supporting. Shpg. wt., 16 lbs. *You save $2.45.*
23 SU 799-2G. *$5 Monthly*.....22.80
86 SX 043. 18-V Alone. 10 lbs....**16.95**



$\$34^{50}$ **Save $3.95** | $\$22^{80}$ **Save $2.45**



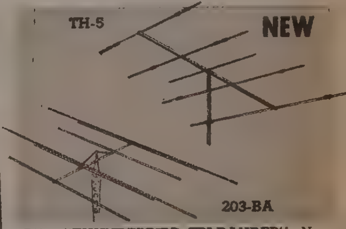
402-B Package	TH-3JR Package	TH-3 Package
$\$157^{95}$	$\$130^{95}$	$\$157^{95}$
Save $14.50	Save $11.70	Save $14.50

Beam/Rotator/Coax Buys

402-B 40-METER BEAM PKG. Includes 402-B, 100′ foam RG8/U with 2 PL-259s, and TR-44 rotator system (see description on opposite page). Beam has 2 elements, Beta match, 5.2 db forward gain, 16′x2″ boom, and 16′4″ turning radius. Rated at 2 kw PEP. Shpg. wt., 72 lbs.
23 SU 927-3G. *$8 Monthly*....157.95
89 CZ 759. 402-B Alone. 41 lbs...**99.75**

TH-3JR "THUNDERBIRD JUNIOR TRI-BANDER" BEAM PKG. Includes TH-3JR, 100′ foam RG8/U with 2 PL-259s, TR-44 rotator system. 3-element beam is for 10, 15 and 20; similar to TH-3 (below) but rated 600 watts PEP. Turning radius, 12′8″. 8 db gain. Shpg. wt., 59 lbs.
23 SU 928-3G. *$7 Monthly*....130.95
90 CZ 472. TH-3JR Alone. 28 lbs. **69.95**

TH-3 "THUNDERBIRD TRI-BANDER" BEAM PKG. Includes TH-3, 100′ foam RG8/U with 2 PL-259s, TR-44 rotator system. Beam covers 10, 15 and 20 meters with 8 db gain. Has 3 elements, "Slim Line" traps, SWR of less than 2:1, 14′ boom. Longest element, 28′. Turning radius, 14′8″. Handles maximum legal power. Wt., 67 lbs.
23 SU 929-3G. *$8 Monthly*...157.95
89 CZ 754. TH-3 Alone. 36 lbs....**99.75**

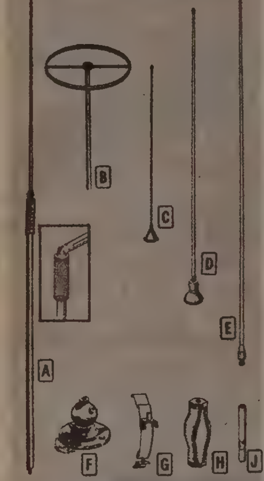


TH-5 "THUNDERBIRD TRI-BANDER". New 5-element beam offers 8.7 db gain on 10, 15 and 20 meters. Has "Slim Line" traps, SWR of less than 2:1, 24′ boom. Longest element, 31′. Turning radius, 26′. Handles maximum legal power. Wt., 60 lbs.
86 CU 605-G. *$7 Monthly*.....139.95

203-BA 20-METER BEAM. Full sized 3-element Monobander provides 8 db forward gain and 25 db F/B ratio on 20 meters. Boom, 16′x2″. Longest element, 35′. Heavy-duty construction. Rated 2 kw PEP. Turning radius, 16′4″. Shpg. wt., 41 lbs.
89 CZ 760. *$5 Monthly*.........65.95

Amateur Mobile Antennas and Mounts

hy-gain



A "Topper" Mobile Antennas

Efficient top-loaded single-band antennas. Feature "Stabl-Fold" mast for low garaging and spring-loaded quick-disconnect for interchanging 6-ft. radiators (capsules) to shift bands. TM-36 3-ft. aluminum mast has std. ⅜"-24 stud. Fiberglas capsules have coil and telescoping tuner rod for easy resonating. Overall ht. approx. 102".

Stock No.	Type	Descrip.	Lbs.	EA.
86 SX 250	TL-10	10M capsule	1	7.95
86 SX 590	TL-11	11M capsule	1	6.95
86 SX 251	TL-15	15M capsule	1	7.95
86 SX 252	TL-20	20M capsule	1	7.95
86 SX 253	TL-40	40M capsule	1½	9.95
86 SX 254	TL-80	80M capsule	1½	11.95
86 SX 255	TM-36	mast section	2	7.95

B 6 and 2-Meter Halos

HH6BK 6-METER HALO SYSTEM. Center-support type. With halo, bumper mt., mast, 52-ohm beta match. 8 lbs.
86 SX 258-G..................16.50

86 SX 259-G. HH6BA Halo. Above halo and 52-ohm match only. 7 lbs.......**10.95**

86 SX 260-G. HH2BA 2-Meter Halo. 14" dia. tubing. 52-ohm match. 3 lbs.....**5.95**

86 SX 261-G. HHS2BA 2-Meter Stacking Kit. Gives 3 db with 2 halos. 1 lb.....**5.95**

86 SX 263-G. HMBA 5' Mast. 4 lbs.**4.95**

VHF Mobile Antennas

C MW2 2-METER WHIP. ¼-wave stainless steel whip 16" long. With single-hole mt. for roof or deck. 2 lbs.
86 SX 264-G..................2.82

D MG2 2-METER GAIN ANTENNA. ⅝-wave whip for 3.4 db gain. Base assembly for roof or deck mtg. 3 lbs.
86 SX 265-G..................15.60

E Stainless Steel Whips

Taper-ground stainless whips with ⅜"-24 stud. Ideal for 10 meters, CB, for use as top half of center-loaded antennas, etc.

Stock No.	Type	Ft.	Lbs.	EACH
86 SX 290-G	W60S	5	1	3.85
86 CU 291-G	W72S	6	2	4.15
86 CZ 292-G	W96S	8	2	4.26
90 CZ 141-G	W102S	8½	2	4.35
86 CZ 294-G	W108S	9	2	4.50

Mounting Accessories. 1½ lbs.

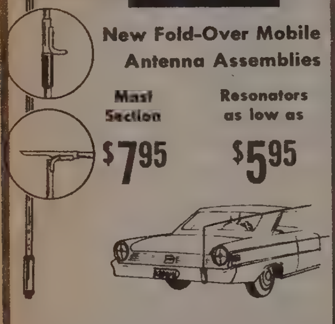
Stock No.	Type	Fig.	Description	EA.
86 S 279-G	BDYS	F	cad-pl std body mt	3.03
86 S 280-G	BDYS	F	above chrome-plated	4.77
86 S 295-G	BPRS	G	cad-pl bumper mt w/stainless strap	5.97
89 S 823-G	BPR	G	above w/stainless mt	6.57
86 S 297-G	SPGS	H	sprg mt ⅜"-24 stud	2.04
86 S 298-G	SPG	H	above chrome-plated	4.77
86 S 299-G	QD	J	steel quick disconnect	2.89

KNIGHT

New Fold-Over Mobile Antenna Assemblies

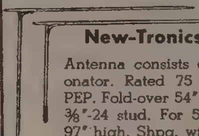
Mast Section **$7.95**

Resonators as low as **$5.95**



Buy one mast, select resonators for bands operated. 54" aluminum masts fold when not in use. Held vertically by shake-proof clutch. ⅜"-24 studs. Resonators handle. 250 w. AM, 500 w. PEP. 52-ohms. 75-97" high. 1 lb.

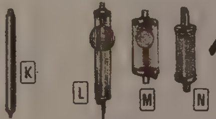
Stock No.	Description	EACH
86 SX 571G	10-mtr resonator	5.95
86 SX 570G	11-mtr resonator	5.95
86 SX 572G	15-mtr resonator	6.95
86 SX 573G	20-mtr resonator	7.95
86 SX 574G	40-mtr resonator	9.95
86 SX 575G	75-mtr resonator	11.95
86 SX 569G	fender-mtg mast	7.95
86 SX 583G	bumper-mtg mast	7.95



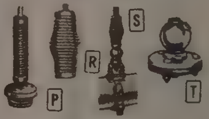
New-Tronics "Hustler"

Antenna consists of 1 mast, 1 resonator. Rated 75 w. AM, 250 w. PEP. Fold-over 54" aluminum masts, ⅜"-24 stud. For 52 ohm coax. 75-97" high. Shpg. wt., 1 lb.

Stock No.	Type	Description	EA.
90 SX 849	RM-10	10-mtr resonator	5.95
86 SX 327	RM-11	11-mtr resonator	5.95
90 SX 850	RM-15	15-mtr resonator	6.95
90 SX 859	RM-20	20-mtr resonator	7.95
90 SX 860	RM-40	40-mtr resonator	9.95
90 SX 864	RM-75	75-mtr resonator	11.95
90 SX 879	MO-1	54" mast for fender mtg	7.95
90 SX 882	MO-2	54" mast for bumper mtg	7.95



Master Mobile Antenna Accessories



Loading Coils

K B-1080 "SLIM JIM." Base-loading coil with 96" stainless steel whip for 10/11/15/20/40/80. 5 lbs. Express.
89 CZ 090..................17.95

L 666 "ALL BANDER." Continuously variable. 10-75 meters. Selects any pair of adjacent turns. 2⅜x13¾". 2 lbs.
89 S 098..................14.95

89 S 048. 750 "Deluxe. Above but selects any spot on any turn. 3 lbs....**14.95**

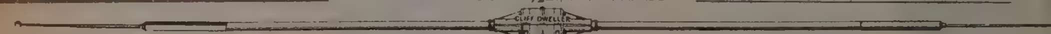
M 900 "ARISTOCRAT." Tapped for 10-75. For 2-sect. whip. 3x6". 3 lbs.
89 S 046..................14.95

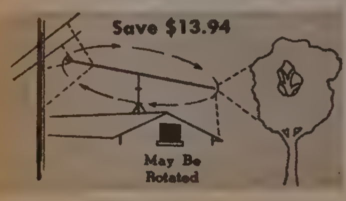
N "ULTRA-HI-Q COILS. For 1-band use with 2-sect. whip. 1 lb.
89 S 143. 80 Meters. 2½x8"......**5.25**
89 S 144. 40 Meters. 2½x5"......**5.25**
89 S 146. 20 Meters. 2½x3"......**5.25**

Mobile Accessories

Av. shpg. wt., 3 lbs.

Stock No.	Type	Fig.	Description	EA.
89 S 217	711	P	"Flex R" strain relief spring	1.95
89 S 224	444	S	Heavy-duty sp'ng, double swivel, chain mount	17.80
89 S 238	445	....	⅜"-24 chain mt.	7.95
89 S 252	446	....	Heavy-duty sp'ng & chain mt.	13.45
89 S 270	MMW7	R	Cad.-plated sp'ng	4.50
89 S 272	MMW7HC	R	Above, heavy duty	5.50
89 S 285	MMW3AE	T	Ebony base mount	6.95
89 S 287	MMW3APS	T	Polished mount & steel hardware	9.25
89 S 288	MMW7SS	....	Heavy ss spring	8.95
90 CZ 844	100-96S	....	96" stainless whip	5.25
90 CU 845	100-60S	....	60" stainless whip	4.95
90 SX 846	88	....	36" lower section for all band ants.	4.85
90 S 847	10-H	....	Hold-down clamp	1.00
90 S 848	295	....	"E-Z-Off" noise-free stainless connector	2.95





CLIFF-DWELLER

New-Tronics CD-40-75 1¢ Sale

With Coax **$129.51**

Buy the Cliff-Dweller, get 100' of RG-8/U foam coax for only 1¢ more—reg. $13.95 value (see next page). Remotely tuned, rotatable dipole for 40-75 meter limited space applications. Handles 1 kw; no traps, matching devices. Motor-driven elements move in and out to resonate antenna. VSWR is 1.1:1.

Weatherproof resonators, housings; aluminum elements. Accepts 1¼" threaded pipe mast. Turning radius, 15'8". Control box, 4⅝x4¼x4⅜". Wt., 50 lbs. $7 *Monthly*.
23SU789-2. Antenna and Coax. 129.51
86 CZ 141-2G. CD-40-75 Antenna Alone. Shpg. wt., 45 lbs. $7 *Monthly*....**129.50**

Letter Z in Stock No. Indicates Antenna Shipped Express Only

Amateur Antenna Accessories

A

$79⁹⁵

$5 monthly

B

Model 341

$11⁴⁵

Foam Polyethylene Coax Cables

For Lowest Line Loss, Greatest Efficiency

as low as $5⁵⁰

A] **WATERS DUMMY LOAD-WATTMETER.** For transmitters operating from 2 to 230 mc. 52-ohm dummy load rated 50 watts connuous, 1000 watts intermittent with less than 1.3:1 VSWR over enre frequency range. 3-scale wattmeter reads 0-10-100-1000 watts. Varning device prevents overheating dummy load. Accepts PL-259 onnector. 9¾x4¾x8¼". 12 lbs.
6 S 584-G. *$5 Monthly*............................79.95

B] **WATERS COAXIAL SWITCHES.** Panel mounting switches for antenna transfer and other applications. Rated 1000 watts RF vith less than 1.2:1 VSWR to 150 mc. Accept PL-259 conn. Hous-ng, 2x3½" dia. With escutcheon, hdwe., knob. 3½ lbs.
6 S 585-G. Model 341 SPDT Switch..................11.45

6 S 586-G. Model 335 SP Six-Position Switch...........**12.95**

Lowest-loss foam polyethylene made-up coaxial cables. Have foam dielectric to reduce transmission line loss—boost operating range by effectively increasing transmitter power and receiver gain. Ideal for use in Amateur, commercial or Citizens Band fixed or mobile station installations. RG-8/U coaxial cable is 50 ohms impedance, handles 2000 watts of RF at frequencies below 30 mc. RG-58/U coaxial cable is 53.5 ohms impedance, handles 430 watts of RF at frequencies below 30 mc. Both have black vinyl jackets, amphenol PL-259 coaxial connectors at each end.

86 S 883. 50-Ft. Coil of RG-58/U Cable. 2 lbs...........5.50
86 S 884. 100-Ft. Coil of RG-58/U Cable. 4 lbs...........**8.95**
89 S 519. 50-Ft. Coil of RG-8/U Cable. 7 lbs..............**8.50**
89 S 522. 100-Ft. Coil of RG-8/U Cable. 11 lbs...........**13.95**

C **Clegg 372**

Low-Pass Filter $14⁹⁵

D **Bud LF-601A**

Low-Pass Filter $16⁹⁰

E

B&W 425

Low-Pass Filter $17¹⁰

F

B&W 550A
Coaxial Switch

$8²⁵

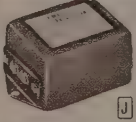
Drake TV-1000-LP
Low-Pass Filter
G

$16⁹⁵

H

Ameco HP-45
High-Pass Filter

95¢



Ameco HPX-45
High-Pass Filter

J

$2²⁵

Bud HF-600
High-Pass Filter

$4⁸⁵

K

Cesco CB-52T
Reflectometer

$24⁹⁵

$5 monthly

L

P&H AR-1
Antenna Transfer Unit

$32⁹⁵

$5 monthly

M

N

Johnson 250-20

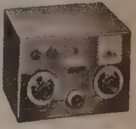
Low-Pass Filter $14⁹⁵

Johnson 250-23-3
Matchbox

P

$94⁹⁵

$5 monthly

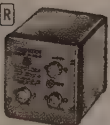


Johnson 250-39
KTR Switch

R

$29⁹⁵

$5 monthly



Dow-Key DKC-TRP
TR Switch

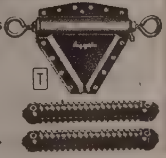
S

$27⁷⁵

$5 monthly

Hy-Gain Insulators
Center
$3⁹⁵

End
$2⁰⁰ Pr.



T

Thoro-Test Meters

SWR-FS $11⁹⁵

FS Only $5⁹⁵

W

C **86 S 587.** **Clegg 372.** Low-pass for all bands, 80-6 M. Rated 240 w., 80-10 M.; 120 w., 6 M. −28 db, 55 mc, 40 db, 68 mc. 52 ohms. Takes PL-259's. 2 lbs..........................**14.95**

D **89 S 457.** **Bud LF-601A.** Rated 1 kw, 80-10 M. 42 mc cutoff. −85 db, 54 mc.; −93 db, 70 mc. 52-72 ohms. 3 lbs........**16.90**

E **89 S 458.** **B&W 425.** 1 kw, 80-10 M. −85 db. 6 lbs.....**17.10**
89 S 461. 424. 100 w., 80-10; −60 db, 35 mc..........**8.65**

F **89 S 027.** **B&W 550A.** 2P 5-pos. 1 kw., 80-10. 3 lbs......**8.25**
89 S 028. 551-A. Above, 2PDT switching action.........**7.95**

G **89 S 455.** **Drake TV-1000-LP.** 1 kw, 80-10 M.; 200 w., 6 M. 52 mc cutoff. 52 ohms. 2 lbs..............................**16.95**
89 S 456. TV-100-LP. 100 w., 80-10; 20 w., 6 M...........**5.95**

H **89 S 463.** **Ameco HP-45.** −40 db, 14 mc.; 20 db, 30 mc. Rejects all below 45 mc. 300 ohms. 3 oz.....................**95¢**

J **89 S 464.** **Ameco HPX-45.** −80 db, 14 mc; −40 db, 10 M. Low insertion loss. 300 ohms. 5 oz..........................**2.25**

K **89 S 462.** **Bud HF-600.** High-pass filter rejects all below 42 mc. 300 ohms. 6 oz...................................**4.85**

L **89 S 467.** **Cesco CB-52T.** Checks SWR. Rated 25-1000 w., 3-200 mc. Leave in line, 1 db loss. 100 μa meter. 2 lbs.........**24.95**

M **90 S 437.** **P&H AR-1.** For transceivers—transfers antenna to transceiver on receive, switches in linear on transmit. Rated 1500 w. Requires 6.3 VAC @ 675 ma. 3 lbs................**32.95**

N **90 S 525.** 250-20. 1 kw. −75 db, 54 mc. 4 lbs..........**14.95**

P **90 SX 527.** 250-23-3. 52 Ω to 25-1500 Ω bal., 25-3000 Ω unbal. ants. Reads SWR. TR relay. 750 w. PEP. 15 lbs.......**94.95**
90 SU 528. 250-30-3. 52 Ω to 50-1500 Ω bal., 50-2000 Ω unbal. SWR meter, TR relay. 3 kw PEP rating. 27 lbs. **154.50**
90 SX 529. 250-23. Like 250-23-3, less SWR meter......**64.95**

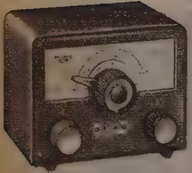
R **89 S 305.** **Johnson 250-39.** 4 kw. 115 VAC. 5 lbs.......**29.95**

S **89 S 308.** **Dow-Key DKC-TRP.** 1 kw. 115 VAC. 2 lbs...**27.75**

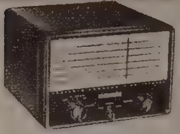
T **89 S 351.** **Hy-Gain CI Center Insulator.** For doublets. Takes ¼" or ⅜" coax. Weatherproof. 1 lb...................**Each 3.95**
86 S 249. **End Insulators.** 7" long. 1 lb............**Per Pair 2.00**

W **86 S 588-G.** **SWR-Field Strength Meter.** 1 kw. 1 lb.....**11.95**
86 S 589-G. **Field Strength Only.** Monitor jack. 1 lb.... **5.95**

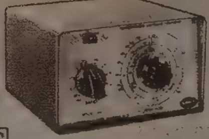
Accessories for the Ham Station


A 6 and 2 Meters

$49.95 NATIONAL "VFO-62"


B 80-10 Meters

$44.95 EICO 722K VFO KIT


C

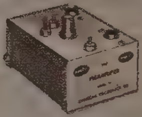
$64.95 AMECO CMA CONVERTER

D Mounts on Receiver Panel

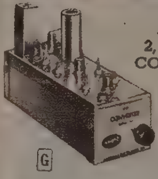
$12.00 HALLICRAFTERS S-METER KIT

E

$32.95 AMECO ALL-BAND PREAMP


F Models for 6, 2 Meters

$13.95 AMECO PV PREAMPS

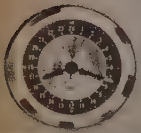

AMECO 2, 6 METER CONVERTERS

G $49.95

AMECO POWER SUPPLY

H For CN Converters $11.50

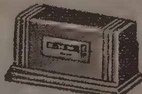
J MASTERCRAFTERS 8" 24-HR CLOCK


$8.47 With World Map

K MASTERCRAFTERS

24-HR 13½" CLOCK $9.97

PENNWOOD


L

$16.34 Direct Reading 24-Hour Clock

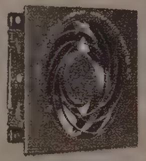
MASTERCRAFTERS

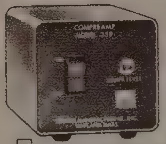
M

$12.24 24-HOUR CLOCK 10-minute timer. For Desk, Wall

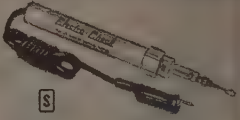
N Dress Up the Shack

$8.95 HY-GAIN ON-THE-AIR SIGN


P ROTRON Equipment Cooling Fan $14.85


$27.95

R WATERS Audio Compressor


S

$3.95 CESCO Checkers

A **NATIONAL VFO.** For transmitters with 8-mc osc. Plugs into crystal socket. 5¼x6½x5½. 110 VAC. 6 lbs.
90 S 696. *$5 Monthly*.......... 49.95

B **EICO VFO.** Drives any modern transmitter on all bands. 6x8½x9". 110 VAC. 8 lbs. *$5 Monthly*.
90 SX 468. Kit Form.......... 44.95
90 SX 469. Wired.......... 59.95

C **AMECO CONVERTER.** Transistorized. Converts 160-2 meters to BCB car radio. 3¾x6x6¾". Less crystals. 12 VDC. Shpg. wt., 6 lbs.
86 S 330. *$5 Monthly*.......... 64.95
86 SS 331. Crystals. Specify band desired. 2 oz.......... EA. 3.50

D **HALLICRAFTERS S-METER KIT.** Also reads µv. For RF/IF stage of any receiver with AVC. 3¼x2¾". 1 lb.
89 S 473.......... 12.00

E **AMECO PCL-P NUVISTOR PREAMP.** 160-6 meters. Over 20 db gain. 110 VAC. 5½x3¾x3". 2 lbs.
86 S 612. *$5 Monthly*.......... 32.95

F **AMECO PV-50 6-METER PREAMP.** Over 20 db gain. 2½x2x3¼". Requires 100-150 v. at 10 ma and 6.3 v. at 150 ma. Shpg. wt., 1 lb.
90 S 692.......... 13.95

AMECO PV-144 2-METER PREAMP. As above, for 2 meters.
90 S 693.......... 13.95

G **AMECO CN-50W 6-METER CONVERTER.** Deluxe! Gain control. 3 nuvistors. 14-18 mc output. 2x2½x6¾". Requires 100-150 v. at 30 ma and 6.3 v. at 1 amp, or PS-1W supply, below. 2 lbs.
90 S 686. *$5 Monthly*.......... 49.95

AMECO CN-144W 2-METER CONVERTER. Above, 2 meters. 2 lbs.
90 S 688. *$5 Monthly*.......... 49.95

H **AMECO PS-1W POWER SUPPLY.** Plugs into CN-50W or CN-144W. 2½x4½x4½". 110 VAC. 4 lbs.
90 S 695.......... 11.50

J **MASTERCRAFTERS 191 CLOCK.** South-polar projection shows time anywhere. 8"-dia. chromed case. 110 v. 60 cy. AC. 1½ lbs.
89 S 472. Price Includes F.E.T.... 8.47

K **MASTERCRAFTERS 2324 CLOCK.** 13½"-dia. black case. U.L. Listed. 110 v. 60 cy. AC. 8 lbs.
90 SX 147. Price Includes F.E.T.... 9.97
90 SX 179. Above, chrome case.. 11.97

L **PENNWOOD 100-24H CLOCK.** Ebony case. Direct-reading. 4x7¾x4". 110 v. 60 cy. AC.
89 S 474. Price Includes F.E.T.. 16.34

M **MASTERCRAFTERS 7112 CLOCK.** For desk or wall. Polar projection. 9½" long. U.L. Listed. 110 v. 60 cy. AC. 3 lbs.
89 SX 450. Price Includes F.E.T.. 12.24

N **HY-GAIN ON-THE-AIR SIGN.** Light when transmitter is on. Changeover/transmitter control relay. 4x8". Bulb, 6' cord. 110 VAC. 2 lbs.
90 S 027.......... 8.95

P **ROTRON COOLING FAN.** Cools transmitters, amplifiers, etc. 60 cfm. 4 11/16" sq. x 1½" deep. 1800-rpm shaded-pole motor. 110 v. 60 cy. AC. 1¼ lbs.
82 R 031.......... 14.85

R **WATERS 359 AUDIO COMPRESSOR.** Increases effective speech output up to four times. Transistorized. Connect between mike (50K dynamic or hi-Z ceramic) and transmitter mike input. 2¾"x3"x4½". Requires battery, below. 2 lbs.
86 S 613-G. *$5 Monthly*.......... 27.95
55 JC 650. Burgess 2U6 Battery.... 48¢

S **CESCO AC ELECTRO-CHECK.** For testing 115-230 v. lines and appliances. Glow indicator. 3' lead, clip. 6 oz.
86 S 652-G.......... 3.95

AUTOMOTIVE ELECTRO-CHECK. As above, for automotive work. Auxiliary tip tests spark and ignition.
86 S 650-G.......... 3.95

CESCO CIRKIT-CHASER. Continuity tester. Glow indication.
86 S 651-G.......... 3.95

Amateur Accessories and Crystals

HY-GAIN LA-1 COAXIAL LIGHTNING ARRESTER. Protects antenna and radio equipment from lightning in 52- or 72-ohm transmission lines. ipates direct hits. Handles fully-modulated 1000-watt transmitter with SWR. Integral SO-239 fittings and flange for optional entrance panel inting. Requires ground wire and rod. 1 lb.
S 566. *$5 Monthly*.................................19.95

HY-GAIN DCGK STATIC ARRESTER. Drains off static, reduces lighting nazard to fixed or mobile antennas. Wt., 3 oz.
S 407.................................1.65

CUSH CRAFT "BLITZ BUG" COAX LIGHTNING ARRESTER. Prevents coax punctures from high SWR. Type 83 connectors. Install directly to ipment. 3¼" long. Wt., 4 oz.
S 044.................................3.95

PACKAGE OF 4 FAMOUS-NAME PL259 COAXIAL CONNECTORS. Meet MIL specs. Save 30%. In polyethylene bag. 1 lb.
S 643-G.................................**Pkg. of 4 for** 1.59

ADCOM "CENTURY" CONVERTER. Converts 12-15 VDC to high-voltage AC. Delivers 850 v. at 400 ma, 650 v. at 500 ma. Also, 0-120 v. negative s at 20 ma. Rated 400 watts. Regulation, 8% no-load to full-load. Circuit-aker protected. 6x7x3½". Wt., 8 lbs.
S 614. *$8 Monthly*.................................145.00

KNIGHT KN-4505 PUSH-TO-TALK CERAMIC MIKE. For mobile CB and Ham use. High impedance; output —54 db. Response, 80-7000 cps. red for relay use. High-impact, black plastic; 3½x2⁷⁄₁₆x2". With mtg. cket. Coiled cord—11" retracted, 3' extended. Less plug. 1 lb.
D 175-G..................................5.98

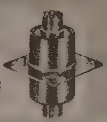
HAM OR CB MOBILE-PHONE. Telephone handset. When taken from cradle, speaker is muted. Convenient push-to-talk switch where hand isps phone. Wt., 3 lbs.
S 615-G. *$5 Monthly*.................................19.95

KNIGHT KN4515 DELUXE DESK MIKE. High-impedance crystal mike. Push-to-talk switch, relay wiring. Gray hammertone. 3-cond. 7' cable. 1 meg or more input amplifier. 2½ lbs.
D 165-G.................................11.95

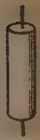
LEECE-NEVILLE 53-AMP ALTERNATOR. Ideal for mobile Hams. 15-amp output at idling speeds helps keep battery fully charged. Includes alter-tor, voltage regulator, ⅜" pulley (not adaptable for air-conditioned cars ing 2 drive belts), universal mounting bracket, all cable, instructions. For g. or pos. 12-v. DC systems. Shpg. wt., 17 lbs.
SX 106G. *$5 Monthly*.................................59.95

LEECE-NEVILLE 80-AMP ALTERNATOR. Heavy-duty version of above. Transistorized voltage regulator is built in. 20 amps at idle. With hard-are, instructions. Neg. or pos. 12 v. DC. 25 lbs.
SX 616-G. *$6 Monthly*.................................189.95

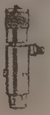
HY-GAIN Lightning Arrester $19.95 A



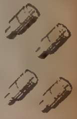
HY-GAIN Static Arrester $1.65 B



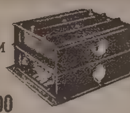
Coax Lightning Arrester C $3.95



4 Famous-Name PL259s $1.59 D



E ADCOM DC Supply $145.00

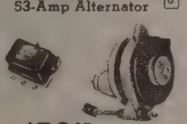


F KNIGHT Push-to-talk Ceramic Mike $5.98

G Mobile Phone with Push-to-Talk $19.95

H KNIGHT Deluxe Desk Mike with Stand $11.95

LEECE-NEVILLE 53-Amp Alternator J



$59.95 Complete

K LEECE-NEVILLE 80-Amp Alternator For High Power Rigs

$189.95 Complete

B&W Networks and Chokes

850A PI-NETWORK INDUCTOR. For single or parallel tubes on 80-10 meters. Rated at 1 kw. Max. VDC: CW-SSB, 4000; AM, 2500 v. 10x4½x7½". Wt., 8 lbs.
89 S 322. *$5 Monthly.* 35.00

MODEL 851 PI-NETWORK INDUCTOR. Above, rated 250 w. AM; 500 w. CW-SSB. Max. VDC CW-SSB, 2000; AM, 1250. 7x3x3½". Wt., 4 lbs.
89 S 331.................................16.50

350-2Q4 AUDIO PHASE-SHIFT NETWORK. Splits signals from 300-3000 cps into 2 equal components 90° out of phase. 1 lb.
89 S 660.................................4.95

800 RF PLATE CHOKE. For 80-10 meters. Max., 2500 VDC @ 500 ma. 6x¾". Wt., 2 lbs.
89 S 950 3.75

MODEL FC-30A FILAMENT CHOKE. For grounded-grid amplifiers. 30 amps. 2x2½x5". Wt., 3 lbs.
89 S 995.................................10.45

MODEL FC-15A. Above, rated 15 amps. 1½x1½x4½". Wt., 3 lbs.
89 S 996 8.65

Special-Purpose and Transmitting Crystals

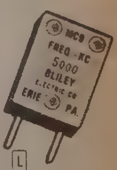
M **JAMES KNIGHTS SPECIAL-APPLICATION CRYSTALS.** .486" spacing; .093" pin dia. ¾x2²³⁄₃₂x⁵⁄₁₆". *3rd overtone. 3 oz.

Stock No.	Type	Frequency	Tolerance	Application	EACH
90 S 386	H-17L	4.5 mc	±.005%	TV alignment	4.80
90 S 387	H-17L*	27.255 mc	±.005%	Radio control	2.50

L **PETERSEN PR-TYPE Z-2 TRANSMITTING CRYSTALS.** Black phenolic holder. Pin spacing, .486". Pin dia., .093". Tolerance, ±.03%. Size, 1⅛x1³⁄₁₆x⁷⁄₁₆". **Specify frequency; supplied ±5 kc of frequency specified.** **Crystals listed under Stock No. F 90 SS 393 (beneath table) are cut to exact frequency you specify. Allow 30 days for delivery.* Shpg. wt., 3 oz.

Stock No.	Frequency (kc)	Stock No.	Frequency (kc)	EACH
90 SS 379	1800-2000	99 SS 267	7000-7334	2.95
90 SS 381	3500-4000	99 SS 259	8000-8229	
90 SS 380	6740-6800	99 SS 296	8340-8450	

F 90 SS 393. JK H-73*. 1.8-18.0 mc. **Specify exact freq.** **EA.** 4.80



L

Petersen Crystals

M **JAMES KNIGHTS H-173 AMATEUR CRYSTALS.** Low current types. Pin spacing, .486". Pin dia., .050". *Special order; allow 30 days for delivery. Specify frequency.* 3 oz.

Stock No.	Frequency	Tolerance	EACH
F 90 SS 382	1.8-40 mc	±.01%	4.95
F 90 SS 383	1.8-75 mc	±.005%	5.95

JK H-93 FREQUENCY-STANDARD CRYSTALS. Phenolic base; aluminum can. Silver-plated crystal. Pin spacing, .486". Pin dia., .093". Tol., ±.005%. 2x1⅛" dia. Wt., 3 oz.
90 S 384. 100 kc. **90 S 385.** 1000 kc.......... **EACH** 6.95

M James Knights Crystals

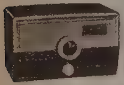
NEW!

Special-Purpose VHF FM Receivers

108-136 mc

Model AR-136 Aircraft Monitor

Hear control towers, commercial and private aircraft in flight, approach control, radar approach, ILS, Unicom and Omnirange. 3-gang condenser has tuned nuvistor RF stage for 1 μv sensitivity. Adjustable squelch, .5-100 μv; 5" speaker; 7 tubes; illuminated slide-rule dial. Metal cabinet, 6¼x12x6⅜". For 110-120 v., 60 cycle AC. 20 lbs.
86 SX 511. *$5 Monthly*.........79.95



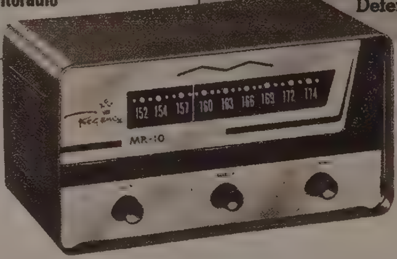
Model AR-132 Aircraft Monitor

- **Tunes 108-132 mc**
- **Built-in Antenna, ANL**
- **Priced to Fit Your Budget**

New aircraft receiver that covers Omnirange navigation stations, 2-way Unicom between private pilots and airports (122.8 and 123.0 mc), airliners, emergency frequency (122.5 mc), others. 6 tubes. For 110-120 v., 60 cycle AC. 8 lbs.
86 SX 510. *$5 Monthly*.........59.95

Regency
monitoradio

Civil Defense Railroad Taxi



PLUS Weather Services, Government, Mobile Telephone and Others

Crystal-Controlled and Tunable Receivers For 152-174 mc or 30-50 mc

$79 95 **$5 monthly**

MODEL MR-10B—152-174 mc. For exciting, informative and useful coverage of police, fire, civil defense and other emergency services, U.S. Weather Bureau forecasts, railroads, taxis, private mobile telephone, power utilities and forestry services. Adjustable squelch, 7 tubes and rectifier, 5" speaker. 7⅞x11¼x6½". For 110-120 v., 50-60 cycle AC. Wt., 22 lbs.
90 SX 667. *$5 Monthly*.........79.95

Crystal-controlled Model MRC-10B, available on special order at $79.95—specify frequency desired. Allow 30 days.

MODEL MR-33B—30-50 mc. Get exciting police and fire calls, or be informed of latest happenings on industrial, power utility, highway maintenance, forestry, private mobile telephone and radio paging frequencies. Adjustable squelch, 7 tubes and rectifier, 5" speaker, 4 μv sensitivity. 7⅞x11¼x6½". For 110-120 v., 50-60 cycle AC. Shpg. wt., 22 lbs.
90 SX 668. *$5 Monthly*.........79.95

Crystal-controlled Model MRC-33B, available on special order at $79.95—specify frequency desired. Allow 30 days.

Regency

NEW! All-Transistor VHF FM-Monitors

MODEL TM-L2—30 to 50 mc. All-transistor for fixed, mobile or portable use. Ideal for police, fire and industrial. Dual-conversion, superhet circuit with up to 6-channel crystal switching. 18 transistors, 7 diodes, squelch. For 117 VAC, or 12 VDC. Optional 12 VDC emergency battery (below) switches on automatically in power failure. Optional built-in alarm (below) sounds and turns volume on when your set is called. With set of crystals (takes up to 5 more, below). 4¾x11x7½". 6½ lbs.
F86 S 577. *$6 Monthly*.. 119.95

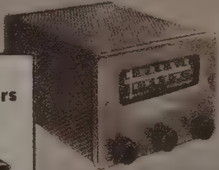
MODEL TM-H2—152 to 174 mc. Above, but for higher FM band. 6½ lbs.
F86 S 578. *$6 Monthly*....**119.95**

F90 SS 320. Extra Xtal. For above. Specify freq. 3 oz.........**Set 10.00**

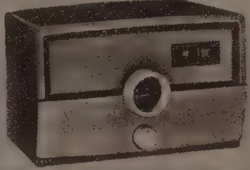
F86 S 579. Tone Alarm System. For TM receivers, above. Specify transmitting equipment. 3½ lbs....**30.00**

F86 S 580. 12 VDC Emergency Battery/Charger. 1 lb...........**19.95**

Shipped express from Indianapolis, Ind. No C.O.D. Allow 30 days.



M-40: 30-50 mc
M-160: 152-174 mc
$114 95 **$6 monthly**



PR-35B: 30-50 mc
PR-155B: 152-174 mc
$59 95 **$5 monthly**

DR-200: Both 30-50 and 152-174 mc
$169 50 **$9 monthly**

MOBILE MODELS M-40 and M-160. Let you listen in on police, fire, civil defense, emergency and many other services while you drive your car. Have tuned RF stage, built-in squelch, 4" speaker. 4½x6½x8¾". For 12 v. DC only. Wt., 13 lbs.
90 S 669. M-40. 30-50 mc......114.95
90 S 670. M-160. 152-174 mc....**114.95**

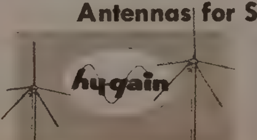
Crystal-controlled Models MC-40 and MC-160, available on special order at $122.95 each—specify frequency. Allow 30 days.

MODELS PR-35B and PR-155B. All the excitement of special-purpose FM at a budget price. Both models have adjustable squelch, 10 μv sensitivity, 4" speaker, 5 tubes and rectifier. 6x9½x5½". For 110-120 v., 50-60 cycle AC, or DC. Wt., 8 lbs.
90 S 664-G. PR-35B. 30-50 mc...**59.95**
90 S 665-G. PR-155B. 152-174 mc.**59.95**

MODEL DR-200. Covers both FM bands (30-50 and 152-174 mc) for the whole fascinating panorama of emergency, public service and industrial communications. Features adjustable squelch and dual-conversion superhet circuit with provision for one crystal-controlled frequency on each band (less crystals, on special order, below). 1 μv sensitivity from 30-50 mc, and 2 μv from 152-174 mc. 14 tubes plus rectifier. 14¼x6¼x9½". Built-in power supply for 105-125 v., 50-60 cycle AC. Less external speaker, below. Shpg. wt., 17 lbs. *Crystals for fixed-frequency reception are available on special order at $11.95 each. Specify frequency and allow 30 days for delivery.*
90 SU 666. *$9 Monthly*.......169.50

90 SU 672. Model DRS-1 6" Speaker. For DR-200. 8x7½x7½". 7 lbs..........**14.95**

Antennas for Special-Purpose VHF Receivers



86 SX 210. GP-150—144 to 174 mc. ¼-wave ground plane. Wt., 2 lbs.............................**5.40**

86 SX 211. GP-50—30-50 mc. ¼-wave ground plane. Wt., 6 lbs..................................**12.95**

86 SX 562. AA-1—108-136 mc. Not illustrated. Vertical. Wt., 2 lbs...................................**5.95**

On Special Orders, Be Sure to Specify Frequency Desired

For Thrilling Airwave Monitoring

LINCOLN®

Local Police

Fire Dept.

Commercial and Private Aircraft

Hear Exciting Broadcasts From These Services

0 to 50 mc FM: Police, fire, industrial, ighway maintenance, power utilities, orestry and conservation, radio paging ervice and private mobile telephone.

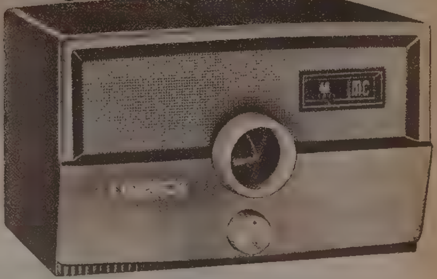
.52 to 174 mc FM: Police, fire, civil de-ense and other emergency services, U.S. Veather Bureau forecasts, railroads, axis, forestry, power utilities, trucks and rivate mobile telephone.

108 to 132 mc AM: Commercial, business ind private aircraft, control towers, ILS, GCA, Unicom and Omnirange.

BUT . . . Frequency allocations may differ lightly in your area. Be sure to check with your local authorities for the specific requencies used by the various services n your own community.

Reliable, Low-Cost Special-Purpose and Aircraft Monitors

$49.95 $5 monthly

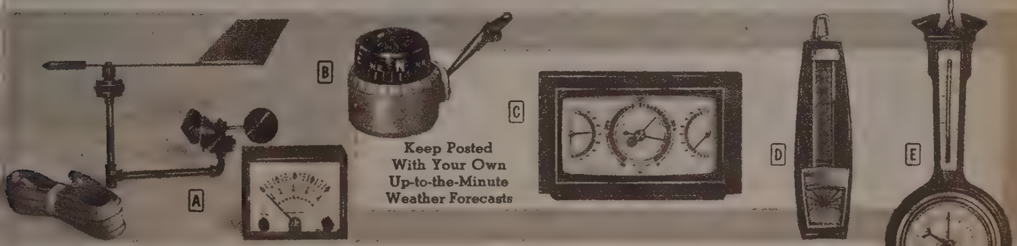


MODEL 2552—152 to 174 mc. Hear local news in the making. Listen to broadcasts of police and fire depts., emergency services, weather bureau, power utilities, forestry service, railroads, taxis and private mobile telephone. Temperature-compensated, superhet circuit gives virtually drift-free reception; ratio detector minimizes interference. 5 tubes, rectifier. 4" speaker. 6x9½x5½". For 110-120 v., 50-60 cycle AC, or DC. Shpg. wt., 8 lbs.
90 S 499-G. *$5 Monthly*........49.95

MODEL 2551—30 to 50 mc. Above, but for lower FM band.
90 S 466-G. *$5 Monthly*........**49.95**

MODEL 2554—108 to 132 mc. Same as special-purpose monitors at left, but for aircraft AM band. Tunes in take-off and landing procedures of commercial jetliners; local control towers; private and business aircraft in flight; 2-way Unicom conversations between private pilots and airports; Omnirange navigation and weather reports; ILS, GCA and radar approach procedures and exciting emergency calls. For 110-120 v., 60 cycle A.C. Wt., 8 lbs.
90 S 399-G. *$5 Monthly*........49.95

See page 340 for Hy-Gain antennas that assure best reception of special-purpose VHF broadcasts from your Lincoln monitor.



Keep Posted With Your Own Up-to-the-Minute Weather Forecasts

NEW at ALLIED! Precision Weather Instruments

Be Your Own Weatherman

Now, at a glance, get an accurate local weather forecast in your own home or office. Tastefully styled, precision weather instruments add beauty as well as utility to your surroundings. Help you to plan outdoor activities and to keep home at proper temperature and humidity level.

A "Windscope" Outfit

Complete outfit checks wind speed and direction. Includes vane, anemometer, mahogany-finished indicating unit and 60 feet of cable. Vane/anemometer transmitting unit requires no outside power source; can be placed up to 200 feet from indicator. Corrosion-resistant outdoor parts. Mahogany indicating unit, 5⅛x6⅜x2¼". With battery, instructions. Wt., 10 lbs.
24 SX 201-G. *$5 Monthly*......74.95

B Illuminated Navigator Compass

A real boon to motorists and small craft owners. Dash-mounting compass easily compensated to overcome external magnetic influences. Indicates direction in degrees for accurate course plotting. Has built-in, battery-powered illumination for use at night. White plastic case, 2¼" in diameter. With battery. Shpg. wt., 1 lb.
24 SC 101-G....................5.95

C Handsome Desk Stormoscope

Handsome and practical addition to your desk, dresser, mantelpiece or bookshelf. 3 highlighted white dials in solid mahogany case indicate temperature, barometric pressure and relative humidity. Gold and satin brown trim. Case size, 5½x9". Shpg. wt., 2 lbs.
24 SC 102-G....................13.95

E Deluxe Wall Stormoscope

- **3-In-1 Forecaster: Tells Temp., Barometric Pressure, Humidity**
- **Solid Mahogany Case**

Useful 3-in-1 weather forecasting station in a solid mahogany, Early American pendant frame. Accurately indicates room temperature, barometric pressure and relative humidity. Lets you know if room temperature should be raised or lowered to compensate for indoor humidity; warns of approaching storms. Doubles as attractive conversation piece for your home or office wall. Rich, brass bezels and trim stylishly accentuate meter faces. 21½" tall and 7¼" at widest point. Shpg. wt., 3 lbs.
24 SC 104-G. *$5 Monthly*......19.95

D Handy Indoor and Outdoor Thermometer/Hygrometer

Dual-purpose meter that shows indoor and outdoor temperatures, plus indoor humidity. Invaluable guide for regulating room heat or air conditioning to assure maximum comfort. Easy to install—hang indoors near window, and run 5-ft. tube (supplied) under window to outside. Gold trimmed instruments, mounted on solid walnut panel. 12¾x3⅜". Shpg. wt., 1 lb.
24 SC 105-G...................7.95

Complete Weather Station

Complete home weather station, mounted on beautiful wood-grained wall panel. Tells temperature, barometric pressure and relative humidity. Panel size, 5¾x15½". Wt., 2 lbs.
24 SC 103-G...................8.95

Thermometer/Barometer/Hygrometer

KNIGHT
PUBLIC ADDRESS

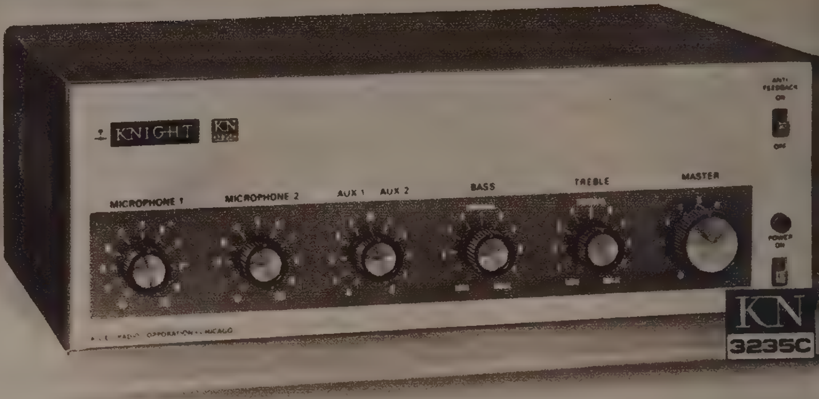
Versatile 35-Watt P.A. Amplifier

A FULL 35 WATTS

Our Most Popular P.A. Amplifier . . .

Your Finest P.A. Value

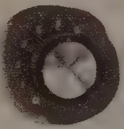
$54.95
$5 monthly



New KN-3235C 35-Watt Amplifier

Recently modified to give you even greater value for your P.A. dollar, the KN-3235C combines power with versatility for outstanding performance in any application. Perfect for musical coverage in dance halls and skating rinks, it also provides excellent paging service and general coverage of all indoor and outdoor events. Features: low frequency filter that serves as anti-feedback control and trumpet protector; instant speaker impedance matching; 25 and 70.7-volt outputs; separate bass and treble controls; and an extra-large master gain control. 5x15¼x10¼". Styled in functional gray with green overlay. Made in U.S.A. Shpg. wt., 28 lbs.
95 DU 103-G. *$5 Monthly* **54.95**

Loaded with Important Features



Extra-Large Master Gain Control

Instant Speaker Impedance Matching Control

ANTI FEEDBACK
ON
OFF

Low-Frequency Filter; Anti-Feedback Control

Multiple Inputs for Added Convenience

Front Panel Controls Provide Fingertip Convenience
Inputs For Microphones, Phono, Tuner, or Tape Player

KN-3235C SPECIFICATIONS

Power Output: 35 watts RMS (70 watts peak)
Frequency Response: ±2 db, 30 to 20,000 cps
Inputs: 2—Microphone; 2—Auxiliary (high gain phono, tuner or tape recorder)
Controls: 2—Microphone; 1—Auxiliary Fader; 1—Bass, 1—Treble; 1—Master Gain; 1—Anti-Feedback; 1—On-Off
Outputs: 4, 8, 16 ohms; 25 and 70.7 volts
Tubes: 2—12AX7A; 1—6AV6; 2—6L6GC; 1—5AS4
Power Consumption: 110 watts at 120 volts AC

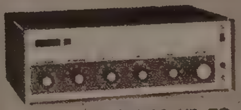
INSTALLATION NOTES

Mic. Connector: Amphenol Type 75MC1F or equivalent (uses 2; 1 supplied)
Aux. Connector: Pin plug (uses 2; 1 supplied)
Speaker Connection: 2 screw-type terminals
Speaker Cable: Use 2-conductor; not included
Line Cord Length: 7 feet
Space Required Behind Cabinet: 3"
Space Required Above Cabinet: 5"
Power Requirements: 105-130 volts, AC; Amplifier, 50-60 cycles; Optional Phono Top, 60 cycles only

KN-3201A Phono Top

Fully assembled; attaches onto top of KN-3235C, KN-3275C, KN-3220A amplifiers in minutes, using just a screwdriver. Plays records manually; handles all 4 speeds. With ceramic turnover cartridge, sapphire needles. Shpg. wt., 6 lbs.
95 DX 106-G **17.95**

35-Watt Outdoor System



COVERS UP TO 100,000 SQ. FT.

as low as **$114.50**

- Excellent for Noisy Areas
- Has 3 Weatherproof Speakers
- Provides Full-Range Sound

Save $21.29 off the cost of components purchased separately. Includes: Knight KN-3235C 35-Watt Amplifier; Knight KN-4515 Crystal Mike with touch bar and lock switches; and 3—E-V 844 Weatherproof Speakers. Less speaker cable (use weatherproof type for outdoor installations). 60 lbs.
22 PA 676. *$6 Monthly* **114.50**

22 PA 677. Save $22.24. As above, but with 4-speed phono top. Wt., 67 lbs. **131.50**

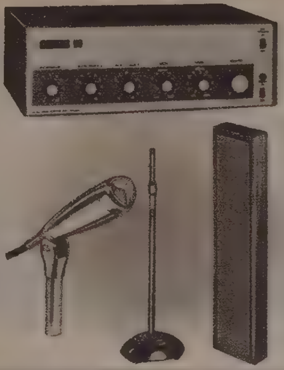
35-Watt Systems for Indoor and Outdoor Use

35-Watt Sound Column System

ur system price saves you up to $9.78 off the cost of comonents purchased separately. This top-performing 35-att indoor system has been carefully selected for maxiıum performance and value. It is ideal for average-size ıditoriums, churches or gymnasiums. Provides full-range oice and music reproduction, and overcomes noise roblems. System includes: **Knight KN-3235C 35-Watt mplifier; Knight KN-4500 Dynamic Mike; Atlas MS-10C Mike oor Stand; and 2—Argos SD-1060 Sound Columns with 6 eakers each.** SD-1060 sound columns give broad, even ound coverage in the most difficult installations. Focus ound for wide horizontal and narrow vertical projection attern. Sizes: each sound column, 30¼x7x3⅛"; amplifier, x15¼x10¼". Less speaker cable. 75 lbs.

2 PA 678-G. *$8 Monthly*......................**154.95**

2 PA 679-G. Above System with Phono Top. 81 lbs...**171.95**



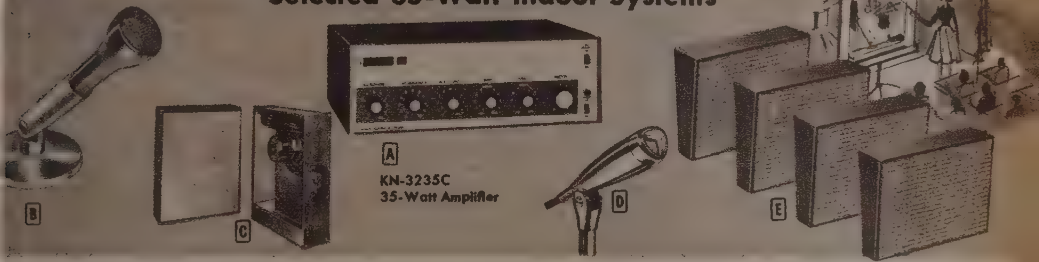
Provides Uniform Coverage

COVERS OVER 2000 PERSONS

$154.95

$8 monthly

Selected 35-Watt Indoor Systems



Three Outstanding 35-Watt Systems Using the Versatile KN-3235C

YSTEM NO. 1. Our system price saves you up to $7.13 on his carefully balanced audio distribution system—ideal or voice or music reproduction. Consists of: **(A) Knight N-3235C 35-Watt Amplifier; (B) Knight 4510 Ceramic Mike with stand; and (C) two 12" Full-Range Coaxial Speakers with 50-ft. cables and carrying case** (Fig. G, below.) KN-235C amplifier provides excellent tone and sound quality see preceeding page). KN-4510 high impedance ceramic mike has swivel-mount desk stand; all-directional ick-up pattern; frequency response of 50 to 11,000 cps; utput of −56 db. Shpg. wt., 59 lbs.

2 PA 680-G. *$5 Monthly*......................**89.50**

2 PA 681-G. Above, with phono top. 65 lbs.......**106.50**

SYSTEM NO. 2. Save up to $7.88 off price of components purchased separately. Consists of all items in System No. 1, plus amplifier carrying case (Fig. F, below) and KN-4500 dynamic mike (see page 359) instead of KN-4510 ceramic mike. Shpg. wt., 67 lbs.

22 PA 682-G. *$6 Monthly*......................**112.75**

22 PA 683-G. Above, with phono top. 73 lbs.......**129.75**

SYSTEM NO. 3. Save up to $11.05 on system price. Consists of: **(A) KN-3235C 35-Watt Amplifier with carrying case; (D) KN-4500 Dynamic Mike with stand; (E) four Wall Baffles and four 8" P. A. Speakers.** Shpg. wt., 91 lbs.

22 PA 684-G. *$6 Monthly*......................**114.95**

22 PA 685-G. Above, with phono top. 97 lbs.......**131.95**

Helpful Accessories For Your P.A. System

F P.A. AMPLIFIER CARRYING CASE. An excellent accessory for any P.A. amplifier—maximum portability and protection. Sturdy wood construction. Holds amplifiers to 15⅝x11¼x9¾". Shpg. wt., 8 lbs.

95 DU 128-G..................**9.75**

G P.A. SPEAKER CARRYING CASE. Sturdy speaker baffle and carrying case combination. Holds 2—12" speakers (not supplied); comes apart for use as 2 baffles. Size, closed, 24x18¼x 12¼". 16 lbs.

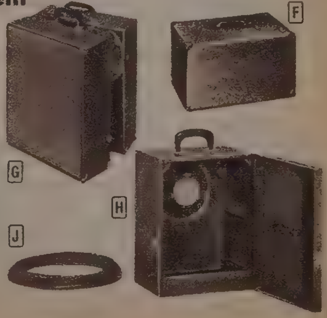
95 DU 155-G..................**15.95**

H P.A. SYSTEM CARRYING CASE. Lets you carry amplifier (up to 16½x 11¼x10½") and 2—12" speakers. Separates to serve as 2 speaker baffles (speakers not supplied). 20x16x13¾". 21 lbs.

95 DU 126-G..................**19.95**

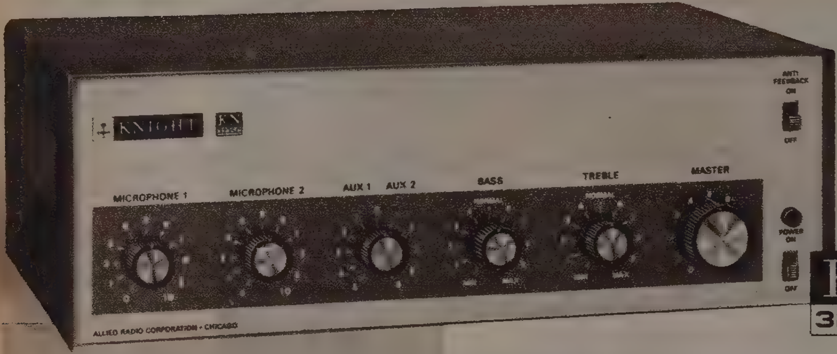
J SPEAKER CONNECTOR CABLE. 2-conductor POSJ cord with #18 stranding. Stripped and tinned for easy connection to speaker terminals. Polarity ribbed. U.L. Listed. In 50-ft. rolls. Shpg. wt., 8 oz.

95 S 144-G........**Per 50' Roll 1.19**



KNIGHT

High-Power P.A. Sound Systems

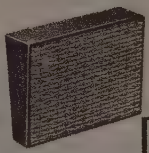


KN 3275C

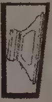
DELUXE 75-WATT P.A. SYSTEMS

E-V Model 848 Coax Projector

Knight KN-4515 With Stand



Argos Wall Baffle With 8" Speaker



Indoor System	Outdoor System
Covers Up To 200,000 Sq. Ft.	Covers Over 25,000 Persons
$\$159^{95}$	$\$199^{50}$
$8 monthly	$10 monthly

Complete 75-Watt Indoor System

Gives exceptional voice and music reproduction in large, noisy places. Includes: Knight 3275C Amplifier; Knight KN-4515 Mike with Desk Stand; 5 Argos "Thin-Line" Wall Baffles with Jensen 8" Speakers, 70.7-V. Line Transformers and L-Pad Controls Installed. Less speaker cable. Baffles in walnut or blonde finish—specify.

22 PA 674C-G. *$8 Monthly*.........**159.95**

22 PA 675C-G. Above system, but with KN-3201A 4-speed Phono Top. 76 lbs....**176.95**

Complete 75-Watt Outdoor System

Provides highly intelligible outdoor public address and background music for up to 200,000 sq. ft. Includes: Knight KN-3275C Amplifier; Knight KN-4515 Mike with Desk Stand; Three E-V 848 CDP Projectors. Less speaker cable. Weatherproof coax projectors may be mounted horizontally or vertically. 88 lbs.

22 PA 672-G. *$10 Monthly*.........**199.50**

22 PA 673-G. Above system, but with KN-3201A 4-speed Phono Top. 94 lbs....**216.50**

New! KN-3275C 75-Watt P.A. Amplifier

$\$84^{50}$

$5 monthly

- Maintains Extremely Wide Response With Large Power
- Anti-Feedback Circuit to Attenuate Low Frequencies
- "Quick-Set" Plug for Instant Impedance Choice

Dollar for dollar, you can't get any more in a 75-watt P.A. amplifier. Maintains exceptionally wide response even with a large amount of power. Perfect for stadiums, arenas, factories—anywhere maximum coverage is essential. Provides a full 75 watts of audio power, and up to 150 watts on peaks. Features ample controls and inputs for most P.A. installations: separate bass and treble controls; newly designed master gain control; separate mixer controls and inputs for 2 mikes; common mixer control for both auxiliary inputs that handle phono, tuner or recorder. Switchable anti-feedback circuit attenuates lowest frequencies to minimize feedback. Also protects trumpets from burning out. "Quick-Set" octal plug permits instant proper impedance choice: 8 or 16 ohms and 70.7-volt outputs or 25-volt output for installing a constant voltage sound system without conduit for speaker wires. 5x15¼x10¼". Gray and green case. With 1 mike connector. For 110-120 v., 50-60 cycle AC. 39 lbs.

95 DU 104-G...........**84.50**

PERFORMANCE SPECIFICATIONS

Output: 75 watts; 150-watt peak.

Response: ±2 db, 30-20,000 cps.

Inputs: 2 Microphone; 2 Auxiliary (Phono, Tuner or Tape).

Controls: 2 Mic; Aux Fader; Master Gain; Bass; Treble; Anti-Feedback; On-Off.

Gain: Mic, 139 db; Aux., 97 db.

Hum and Noise: —70 db.

Outputs: 8 and 16 ohms; 25 and 70.7 volts.

Tubes: 2—12AX7A; 6AV6; 2—6CA7; 5AS4A; 5Y3GT.

Power Consumption: 180 watts.

INSTALLATION NOTES

Microphone Connector: Amphenol 75MC1F or Switchcraft 2501F. Uses 2; 1 Supplied.

Auxiliary Connector: Pin Plug. Uses 2; 1 Supplied.

Speaker Connection: 2 Screw-Type Terminals.

Speaker Cable: 2-cond. (not incl.)

Line Cord Length: 7 feet.

Space Required Behind Case: 3".

Space Required Above Case: 5".

Power Requirements: Amplifier, 110-120 volts, 50-60 cycle AC only; Optional Phono Top operates on 60 cycle AC only.

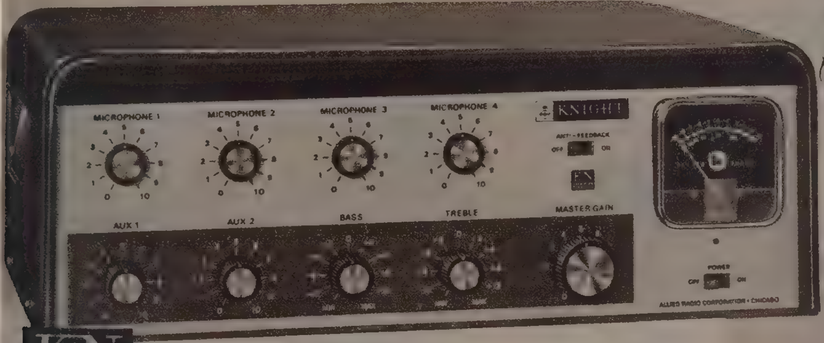
KN-3201A Phono Top for Knight P. A.

Plays up to 12" records at 16⅔, 33⅓, 45, 78 rpm speeds (fits KN-3275C, 3220A, KN-3235C). Ceramic cartridge has dual sapphire needles. Receives power from amplifier. Easy to install—requires only a screwdriver. With all cables and connectors. For 105-130 v., 60 cycle AC only. 5½ lbs.

95 DX 106-G...........**17.95**

Our Finest Hi-Fi P.A. Amplifier

KNIGHT



CALIBRATED SOUND LEVEL METER

Permits continuous monitoring of all channels in use—even if speakers are in another room.

KN 3050A

Versatile New Professional Model KN-3050A 50-Watt High-Fidelity Public Address Amplifier

- Controls and Inputs for Full Mixing of Up To 4 Mikes, Plus Provision for Remote Mike Mixing
- Switchable Anti-Feedback Circuit Reduces Annoying Howling

$129.50
$7 monthly

A newly modified and restyled version of the popular KN-3050, the KN-3050A offers you even greater control convenience. Provides all the controls and inputs you need for maximum sound system flexibility. Master gain control permits simultaneous power output control for all sources in use; separate gain controls for each input let you distribute the input power according to your needs. Front panel sound level meter enables you to pre-set each control to volume desired, or to set controls accurately even if amplifier is in an area removed from the speakers. Switchable anti-feedback circuit minimizes annoying howling, protects trumpets from burning out. Separate bass and treble controls; output jack for simultaneous tape recording; output tube balance and hum-bucking controls; "quick-set" impedance selector; locking mike inputs; pilot light. Provision for optional low-impedance mike transformer and remote mike mixer (below). 6⅞x17¼x11". Gray and green case. For 110-130 v., 50-60 cycle AC. Made in U.S.A. 29 lbs.

95 DU 105-G. *$7 Monthly*..**129.50**

95 D 130-G. Plug-In Low-Impedance Transformer. Permits use of 50 to 600-ohm microphones with KN-3050A. 1 lb..**13.50**

95 D 131-G. 3-Channel Remote Mike Mixer. For KN-3050A only. Permits remote control of KN-3050A. With 50-ft. cable. 5x2½x1", 1½ lbs..............**13.75**

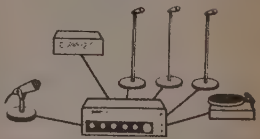
PERFORMANCE SPECIFICATIONS

Power Output: 50 watts; 100 watts peak.
Frequency Response: ±1 db, 30-20,000 cps.
Inputs: 4—Mic; 2—Aux (Hi-Level Phono, Tuner, Tape, Mag. Phono).
Controls: 4—Mic; 2—Aux; Bass; Treble; Master Gain; Anti-Feedback; Local/Remote Mike Control Adapter; Output Tube Balance; Hum Balance; Meter Calibrate; On-Off Power Switch.
Outputs: 4, 8 and 16 ohms; 25 and 70.7 volts; Tape Recorder Output.
Power Consumption: 160 watts.

INSTALLATION NOTES

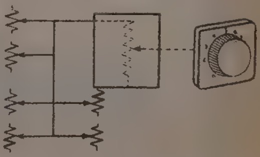
Microphone Connector: Amphenol 91-854 or Switchcraft A3F. Uses 4; 1 Supplied.
Auxiliary Connector: Pin Plug. Uses 2; 1 Supplied.
Speaker Connection: 2 Screw-Type Terminals.
Speaker Cable: POSJ-Type 2-conductor Cord (not supplied).
Line Cord Length: 7 Feet.
Space Required Behind Case: 5".
Space Required Above Case: 5".
Power Requirements: Amplifier, 110-120 volts, 50-60 cycle AC only.

VERSATILE OPERATION



The KN-3050A gives you facilities for every type of P.A. application. Handles up to 4 broadcast-type mikes plus 2 other sources. Also has provision for controlling amplifier from remote position.

CONTROL FLEXIBILITY

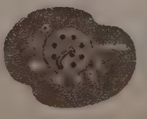


Master Gain Control simultaneously sets volume level for all sources without disturbing individual input fader settings. New enlarged control knob makes volume-regulating a snap for anyone.

More Deluxe Features for Amazing Knight P.A. Versatility

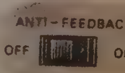
OCTAL IMPEDANCE-SELECTOR PLUG

"Quick-set" octal plug gives you instant choice of proper impedance for any application. Selects 4, 8 or 16-ohm, and 25 or 70.7-volt outputs. 25-volt allows constant voltage systems without conduit for speaker wires.



SWITCHABLE ANTI-FEEDBACK

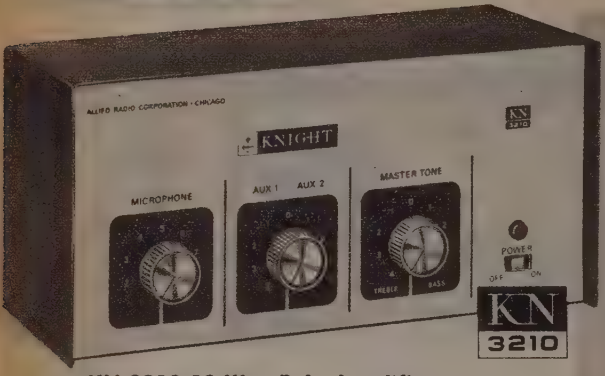
Attenuates low frequencies to minimize howling and to protect trumpets.



LOCKING MICROPHONE INPUTS

Lock-action connection prevents separation of cables from amplifier.

KNIGHT P.A. Amplifiers and Systems



KN-3210 10-Watt P.A. Amplifier

$\$29^{70}$

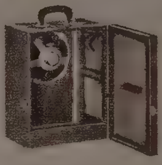
$5 monthly

- Covers Up To 5000 Sq. Ft. (500 Persons)
- Offers 1 Mike and 2 Auxiliary Inputs
- Inverse Feedback Cuts Hum and Distortion

Our lowest-priced P.A. amplifier—especially suitable for paging in relatively quiet areas of up to 5000 sq. ft. Has controls for 1 mike and 2 auxiliary inputs (phono, tuner or recorder); master tone control; "quick change" impedance selector. Inverse feedback circuit delivers 40-20,000 cps response; cuts hum and distortion. Outputs: 4, 8, 16 ohms, 25 and 70.7 volts. 6L6GC beam-power output tube driven by 12AX7 2-stage preamp. Black and aluminum. 5x12½x10¼". With connectors. For 110-120 v., AC. 12 lbs.

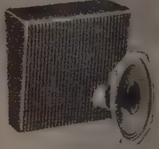
95 DX 111-G. *Made in U.S.A.* **29.70**

KN-3210 SOUND SYSTEMS



Speaker and Carrying Case

KN-4510 Mike with Stand



Indoor Baffle and Speaker

Lowest-Cost Portable System

$\$52^{88}$

$5 monthly

Lowest-Cost Indoor System

$\$46^{75}$

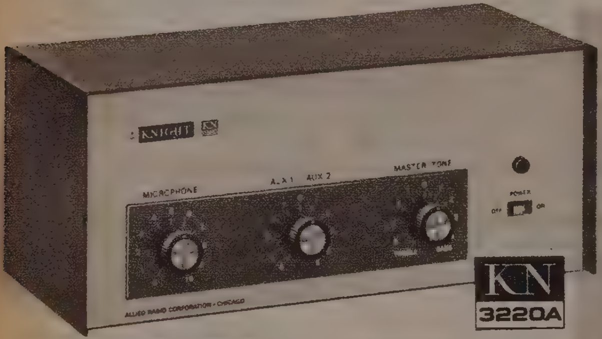
$5 monthly

PORTABLE SYSTEM. Includes: Knight KN-3210 Amplifier; Baffle-Carrying Case with Heavy-Duty 8" Speaker; Knight 4510 Desk Mike with Stand. Speaker has whizzer cone for extended highs. Entire system can be carried in baffle-case. Wt., 30 lbs.

22 PA 666-G. *$5 Monthly* **52.88**

INDOOR SYSTEM. Above system; but with Argos DWB-8A deluxe wall baffle and 8" speaker, instead of portable baffle-carrying case combination. Baffle comes in walnut or blonde—**specify finish.** 25 lbs.

22 PA 668C-G. *$5 Monthly* **46.75**



KN-3220A 20-Watt P.A. Amplifier

$\$42^{50}$

$5 monthly

- For Small Halls—Average 6000 Sq. Ft.
- Inverse Feedback For Highest Fidelity
- "Quick-Set" Octal Impedance Selector

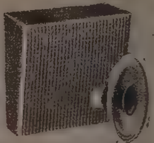
More power, features and quality than any comparably priced P.A. amplifier. ±2 db, 30-20,000 cps response. For medium-size area—indoors and outdoors—up to 6000 sq. ft. Inverse feedback circuit assures low hum and distortion levels for pure sound quality. "Quick set" impedance selector plug; controls for 1 mike and 2 auxiliary inputs (phono, tuner, recorder); master tone control. Includes Amphenol 75MCIF mike connector and phono plug for Aux. input. Outputs: 4, 8, 16 ohms; 25 and 70.7 volts. Gain: Mic, 126 db; Aux., 83 db. 5x12¼x10¼". 5 tubes with rectifier. Charcoal gray and dark green. For 110-120v., 60 cycle AC. 25 lbs.

95 DU 102-G. *Made in U.S.A.* **42.50**

KN-3220A SOUND SYSTEMS

Speaker And Carrying Case

KN-4515 Mike With Stand



Indoor Baffle And Speaker

Economy Portable System

$\$66^{97}$

$5 monthly

Economy Indoor System

$\$59^{97}$

$5 monthly

PORTABLE SYSTEM. Includes: Knight KN-3220A Amplifier; Baffle-Carrying Case with Heavy-Duty 8" Speaker; Knight KN-4515 Desk Mike with Stand. Mike is high impedance, all-directional type featuring double switching. Combination speaker-baffle carrying case holds complete system. Shpg. wt., 42 lbs.

22 PA 667-G. *$5 Monthly* **66.97**

INDOOR SYSTEM. Above system; but with Argos DWB-8A deluxe wall baffle and 8" speaker, instead of baffle-carrying case combination. Baffle comes in walnut or blonde—**specify finish.** 45 lbs.

22 PA 669-G. *$5 Monthly* **59.97**

Custom Radio-Intercoms for the Home

NuTone

Built-In, Wall-Mounting Radio-Intercom Systems for Your Convenience and Pleasure

Enjoy step-saving intercom and door-answering facilities plus full-fidelity music throughout your home. Surprisingly easy to install.

A

B

C

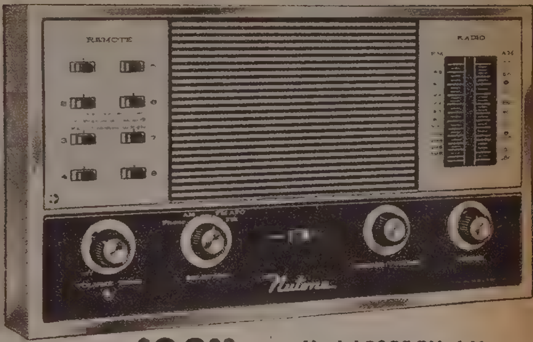
Remote Stations and Accessories

A 2021B HI-FI INDOOR REMOTE. 8" speaker; volume and talk-listen controls. Beige grille. 12x12x2⅞". 8½ lbs.
58 RX 004..13.17
58 RX 042. 2411A Rough-In Frame. For above. Wt., 1¾ lbs. **1.51**

B 2027 INDOOR REMOTE. Has 5" speaker; volume and talk-listen controls. Desert sand and gold. 6⅜x8⅝". 5¼ lbs.
58 RX 172..5.67

C 2006 DOOR REMOTE. Speak to visitors at door from inside. Check children's outside activities, etc. 3" speaker; talk-listen switch. Weatherproof. Gold anodized finish. Panel, 5⅞x4⅜"; box, 5⅞x4⅜x1¾". Wt., 1¾ lbs.
58 RX 036..5.00

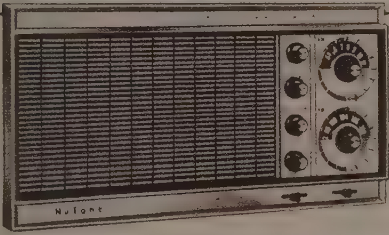
3-CONDUCTOR CABLE (Not illus.). For FM-AM/AM intercoms.
58 RX 039. 200-foot Roll. Shpg. wt., 6 lbs.................**4.48**
58 RX 040. 1000-foot Roll. Shpg. wt., 17 lbs...............**16.33**



FM AM $92³³
$5 monthly

Model 2055 FM-AM Master Station With Provision for 8 Remotes

Low in cost, great in performance. Enjoy FM and AM radio, plus Master-to-Remote and Remote-originated intercommunications. Master has selector switches for 8 Remotes; talk-listen switch fo door-answering. Function switch (including AFC for drift-free FM reception); volume and tone controls; 7x5" speaker; phono jack 6 tubes, rectifier. Pilot light. Silver anodized panel finish. 9½x 14¾x2¾"—extends 1¾" from wall. Fits any wall 2 or more inches thick. For 110-120 v., 60 cycle AC. 19½ lbs.
58 RX 173. *$5 Monthly*..................................92.33
58 RX 174. 2056. As above, copper finish..............**92.33**
58 RX 175. 2053. Same as Model 2055, but no FM receiver Silver finish. Shpg. wt., 11½ lbs.........................**55.65**
58 RX 176. 2054. Same as 2053, but copper finish......**55.65**



All-Transistor Model 2561 Master Intercom Station with FM-AM Radio

FM AM $129⁶⁷
$7 monthly

Offers room-to-room intercom with FM-AM radio (FM has AFC), and door-answering from any station. You can even turn off music at any Remote and still send and receive calls! Radio automatically mutes when intercom is used. 8-cond. cable allows up to 16 Remotes (below). 6x9" speaker. With antennas, hardware. Silver finish panel, 16½x 8½"; wall frame, 14⅝x7¾". For 110-120 v., 60 cycle AC. 19 lbs.
58 RX 180. *$7 Monthly*..129.67
58 RX 181. Model 2562. As above, but copper finish..................**129.67**

Remote Stations, Cable for Transistor Master

D

D 2572 HI-FI INDOOR REMOTE. 8" speaker. "Break-Away" control panel removable from main unit for more convenient placement. Vol., function controls, 2 talk-listen levers for inside and door remotes. Sand panel, 12x12". 8½ lbs.
58 RX 184..17.95

E

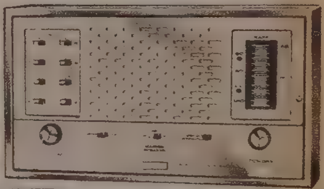
E 2571 DOOR REMOTE. Indoor remotes control calls. Weatherproof. Black and gold. 6¼x4⅝". 5½ lbs.
58 RX 183..8.50

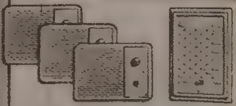
F

F 2570 INDOOR REMOTE. 5" speaker. Volume and function controls; talk-listen levers for inside and for door answering. Desert sand panel, 6½x9⅛". 5¼ lbs.
58 RX 182..11.18

8-COND. CABLE. For Model 2561. Wire from remote-remote.
58 RX 083. 50' Roll. Shpg. wt., 5 lbs...........................**3.97**
58 RX 185. 250' Roll. Shpg. wt., 12 lbs.........................**11.67**

Model 2031 Complete 5-Station AM Radio-Intercom System





Complete $73²⁸
$5 monthly

Ready-to-play 5-station music distribution and intercom system that "broadcasts" AM radio programs to any room desired. All Remotes can converse with one another as well as originate calls.

Inside stations have volume controls and privacy switch. Master has phono input for separate record player. 8 slide-switches allow easy addition of four more Remote stations (use only Model 2027, above).

System includes: Model 2054 Master; 3—Model 2027 Inside Remotes; 1—Model 2006 Door Remote; 200-ft. 3-cond. cable; antenna wire. Master has 16x8¾" Colonial copper-anodized front panel that extends 1⅝" out from wall; box is 7⅜x14¾x1¾". For 110-120 v., 50-60 cycle AC. 24 lbs.
58 RU 038. *$5 Monthly* 73.28

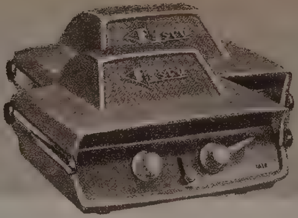
Economy Intercom Systems for Every Use

$42.50
$5 monthly

RMS WDT-2 Wireless System

Instant intercom! 2 stations—plug both into AC outlets on same line transformer, and talk. Switch locks for baby-minding. 4 tubes. Walnut cases, 4¾x8x5¼". For 110-120 v., 50-60 cycle AC. From Japan. 8½ lbs.

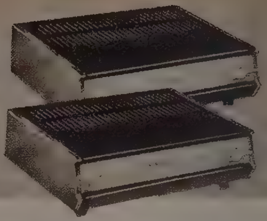
58 RX 216................42.50
58 RX 217. Extra Station. 4 lbs.**21.25**



Fasco CI-8202 Wireless System

All-transistor, 2-station system that draws less current than an electric clock. No wiring necessary—just plug stations into AC outlets on same line transformer. Gives you clear 2-way conversation or "Johnny-on-the-spot" monitoring between rooms or buildings. Excellent for baby-minding or room-to-room paging. Takes extra stations, below. Each, 4x6¾x5⅝". For 110-120 v., 50-60 cycle AC. 5 lbs.

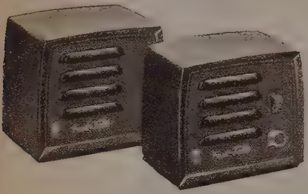
58 RX 031..................52.50
58 R 102. Extra Station. 3 lbs.....**26.25**



Talk-A-Phone T-LC-33 Wireless

Deluxe 2-station, plug-in-and-talk system for home, office or plant. No wiring needed—stations work off AC outlets on same line transformer. "Sonic-Gate" circuit screens out hum and line noise; "Uni-Trans" switch permits monitoring, baby-minding or dictating. Takes extra stations, below. Each unit, 3⅛x10½x3¾". For 110-120 v., 50-60 cycle AC or DC. 16 lbs.

58 RX 056..................79.90
58 RX 057. Extra Station for Above. Shpg. wt., 8 lbs..................**39.95**



$14.95

Low-Cost RMS FT-2 2-Station System

Inexpensive intercom system—one Master station and one Remote. Remote can return calls, but not originate them. Very handy for paging people upstairs, in the basement or in the garage; for "baby sitting" in child's bedroom or playroom and countless other uses. 3 tubes. 50-ft. connecting cable. Each 5¼x5¾x4". For 110-120 v., 50-60 cycle AC. UL Listed. Wt., 5 lbs.

58 R 163....................14.95

RMS DT-200 2-Station System

Lowest price system can be set up in a jiffy. Plug Master station into any AC outlet, and connect it to Sub-Station with 50-ft. cable provided. Both Master and Sub-Stations have talk/listen switches, and can originate calls; volume of both units is controlled by Master station. Walnut cabinets, each 4¾x8x5¼". For 110-120 v., 50-60 cycle AC. Shpg. wt., 5½ lbs.

58 RX 224...................19.95
58 RX 225. Extra Sub-Station. Add any number. Shpg. wt., 1¾ lbs..........**8.95**

Talk-A-Phone T-LC-2 System

Deluxe system in which both Master and Sub-Station can originate calls. Sub-Station can be used "privately" or "non-privately," and locked in desired position. Master plugs into any AC outlet; connects to Sub-Station with 50-ft. cable provided. (Type 5303 cable is supplied; if shielded cable is desired, use Type 6303 listed on next page of this book.) Master, 3⅛x10½x8¾"; Sub-Station, 3⅛x7½x8¾". For 110-120 v., 50-60 cycle AC. Shpg. wt., 13 lbs.

58 RX 053...................36.00

Fasco Transistorized 2-Station System and Accessories

Deluxe Transistorized Components for Multi-Station Intercom Systems

WI-8151 POWER SUPPLY. (Not illus.) Transistorized unit for WI-8102 master station, at right. One required per system (up to 7 stations). 3x5x13". For 110-120 v., 60 cycle AC. 5 lbs.

58 R 015..................................30.35
58 R 018. 9-Cond. Cable. 250-ft. roll. 14 lbs.............**20.68**

A B WI-8101 MASTER-REMOTE 2-STATION SYSTEM. Versatile all-transistor system consisting of: one Master (B) and one Remote (A); 50 ft. of 3-conductor cable; terminal box; and all necessary hardware. Remote requires no power outlet and can call Master when Master Power Switch is on. Master handles up to two additional Remotes. Desert Sand. Each, 4x6¾x5⅝". For 110-120 volts, 60 cycle AC. 7 lbs.

58 RX 012..................................33.35

B WI-8121 EXTRA REMOTE. Shpg. wt., 2 lbs.
58 R 013....................................**7.35**
58 R 016. 3-Cond. Cable. 150-ft. roll. 2 lbs............**2.00**
58 R 017. 3-Cond. Cable. 500-ft. roll. 8 lbs............**6.34**

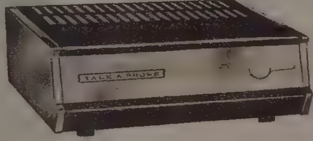
C WI-8102 MASTER STATION. For up to 7-station systems. Unlimited flexibility. Stations can be private or non-private, and can call one or all others. With terminal box and hardware. less 9-conductor cable, at left. Requires WI-8151 Power Supply, at left. Desert Sand finish. 4x6¾x5⅝". 3 lbs.

58 R 014....................................17.00

Deluxe Multi-Station Intercom Systems

WIRED OR WIRELESS ALL-MASTER AND ONE-MASTER SYSTEMS FOR EVERY NEED

T-LR-3 Sub

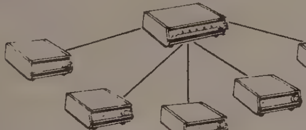


T-LR-3R
Built-in-Wall Sub

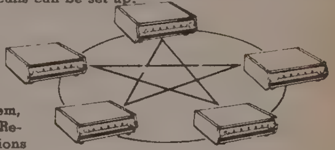
T-LS-10 10-Station Master

MASTER-SELECTIVE SYSTEM. One Master station can call any number of Sub-stations up to ten. Subs can call the Master but not each other.

SUPER-SELECTIVE ALL MASTER SYSTEM. All stations can call any other station or stations, either privately or non-privately. Conference calls can be set up.



Master-Selective System Is Ideal For Centralized Set-Ups Such As Homes, Schools, Plants; Super-Selective System, Offices and Institutions That Require Conference Communications



Master-Selective Intercom Systems

Systems consisting of one Master and up to 10 Subs. Master can call one, several or all Subs simultaneously. Subs can call Master but not each other. Master is always private. Subs can be private or non-private. When non-private, Sub operator can talk from a distance. Only Master requires outlet. Master has press-to-talk switch, volume control, and slide switches. Gray and chrome except T-LR-3M—baked enamel. Subs, 3⅛x7½x8¾"; Master, 3⅛x10½x8¾". U.L. Listed. For 110-120 v., 50-60 cycle AC.

T-LM-5 MASTER. For up to 5 Subs. Shpg. wt., 10 lbs.
58 RX 058. *$5 Monthly*.................................34.95

T-LM-10 MASTER. For up to 10 Subs. Shpg. wt., 10 lbs.
58 RX 059. *$5 Monthly*.................................**44.00**

58 RX 052. T-LR-3 Sub. Wt., 7 lbs.......................**15.95**

58 RX 062. T-LR-3M Sub. Wt., 7 lbs.......................**11.95**

58 R 138. T-LR-3R Built-in-Wall Sub. 7 lbs...............**11.95**

CABLE. 3 cond. *Shielded. Av. wt., per 100-ft., 3 lbs.

Mfr's Type	50′ Spool		100′ Spool		200′ Spool	
	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
5303	48 T 061	1.79	48 T 059	3.26	48 T 060	6.05
6303*	48 T 062	2.38	48 T 065	4.34	48 T 066	8.03

Super-Selective Intercom Systems

Versatile intercom systems consisting entirely of Master units. Any station can originate a call to any other station or stations—separate conversations can be handled simultaneously, and conference calls set up. Each Master has light to indicate when unit is in operation. Also has press-to-talk bar, slide switch and volume control. Steel case finished in leather-texture gray vinyl and chrome. Stations can be placed more than 1000 ft. apart. Less cable, below. Size, 3⅛x10½x8¾". For 110-120 volts, 50-60 cycle AC or DC. U.L. Listed. Shpg. wt., 10 lbs.

MODEL T-LS-5. For systems with up to 5 stations.
58 RX 054. *$5 Monthly*.................................34.95

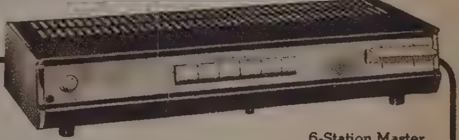
MODEL T-LS-10. For systems with up to 10 stations.
58 RX 055. *$5 Monthly*.................................**44.00**

CABLE. For T-LS-5, use 5506. For T-LS-10, use 9911. Type 5506 is 3-conductor type; Type 9911 is 11-conductor type. Available in 50, 100 and 200-ft. spools only. Av. wt., per 100-ft., 8 lbs.

Mfr's Type	50′ Spool		100′ Spool		200′ Spool	
	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
5506	48 T 063	4.44	48 T 067	8.16	48 T 068	15.20
9911	48 T 064	8.10	48 T 073	14.59	48 T 074	27.80

Wireless Selective Systems

- Exclusive "Sonic-Gate" Lets Your Voice Through, But Screens Out Hum and Line Noise
- No Wiring—Just Plug Into Any AC Outlet and Talk



6-Station Master
Originates and Receives Calls; Functions "Privately" and Features "Uni-Trans" for Monitoring, Baby-Minding and Dictating.

All-Master Systems

T-LCM MASTER STATION. Just plug each Master station into any outlet, on the same power company line-transformer, and begin noise-free communication. Any Master station can call any other selectively. Hold conferences between Masters by individually calling other Masters to come in on same channel. 6-station system allows up to 3 separate conversations simultaneously; 12-station system, up to 6. Indicator light shows when Master is on. 3⅛x14x8¾". U.L. Listed. For 110-120 v., 50-60 cycle AC.

58 RX 043. T-LCM 8906. Up to 6 stations. 13 lbs. *$5 Monthly*....79.50

58 RX 050. T-LCM 8912. Up to 12 stations. 15 lbs. *$5 Monthly*.........**89.80**

Master-Auxiliary Systems

One or more T-LCM Masters (left) and any number of T-LCS Auxiliaries (below). Auxiliary can reply but not call. Ideal for selective area paging. Place one or more channel 1 auxiliaries in one room, one or more channel 2's in another, etc. Master pages any area. Last digit in T-LCS type no. indicates channel. 3⅛x10½x8¾". For 110-120 v., 50-60 cycle AC-DC. 10 lbs. *$5 Monthly.*

58 RX 044. T-LCS-901. 45.00

58 RX 045. T-LCS-902.........**45.00**

58 RX 046. T-LCS-903.........**45.00**

58 RX 047. T-LCS-904.........**45.00**

58 RX 048. T-LCS-905.........**45.00**

58 RX 049. T-LCS-906.........**45.00**

T-LCS Auxiliary
Receives Calls and Replies; Functions "Privately" and Features "Uni-Trans" for Monitoring, Baby-Minding and Dictating.

See Following Pages for Deluxe Intercom Systems for Home Use

TIA-6 Master

RIA-1 Remote

TSL

TQ-6A Phone

Bogen Transistorized Intercoms and Communication Phones

Versatile All-Transistor Intercoms

ALL-MASTER SYSTEM. Transistorized system, using up to six TIA-6, or up to twelve TIA-12 Masters. Any Master can call any other and, in TIA-6 system, can call all at once. Have volume control, press-to-talk bar, selector switch with "mute" position. Each unit, 3x8½x6". Less cable. Use cable with one more conductor than no. of stations. For 117 v., 60 cycle AC.

MASTER-REMOTE SYSTEM. Consists of a TIA-6 Master and up to five RIA-1 Remotes; or a TIA-12 Master and up to 11 Remotes. Master can call any Remote and, in TIA-6 system, all simultaneously. Remotes have press-to-talk bar; can be non-private (controlled by jumper); can call a Master. Remotes, 3x8½x6". Less cable. Use 3-cond. cable (48 W 825, below) between Master and each Remote.

INTERMIX SYSTEM. TIM-12 Master Stations are for systems with total of 12 stations in any combination with TIA-1 or RIM-6 Remotes. RIM-6 Remote can initiate calls to any one of six TIM-12 Masters; RIA-1 Remotes can initiate calls only to one Master.

TIA-6 6-STATION MASTER. Shpg. wt., 7 lbs.
58 R 019. *$5 Monthly*....................35.65

TIA-12 12-STATION MASTER. Shpg. wt., 7 lbs.
58 R 020. *$5 Monthly*....................**39.75**

RIA-1 REMOTE. Calls 1 Master; called by any Master. 6 lbs.
58 R 021....................**10.85**

TIM-12 12-STATION INTERMIX MASTER. 7 lbs.
58 R 022. *$5 Monthly*....................**47.95**

RIM-6 6-STATION REMOTE. Calls any of 6 Masters. 6 lbs.
58 R 023. *$5 Monthly*....................**23.90**

Cable For Above—100-Ft. Spools

48 T 171. 3-Cond. Cable. For Rem. to Mast. 2 lbs.Per 100'..**6.68**

48 T 772. 8-Cond. Cable. For 6-station Master or Remote. Shpg. wt., 4½ lbs....................Per 100' **5.20**

48 T 552. 18-Cond. Cab. For 12-stat. Mast. 8 lbs..Per 100' **8.33**

Series TSL Multi-Channel Bogen-Phones

All units are Masters. Each station can quickly and easily communicate with any other—up to 8 simultaneous conversations possible with 16 phones. Also may be used in conference set-up. To call, lift phone, press selector button, then press ring button. Buzzer sounds at called station. Size, 3½x9½x3¾". Use cable with at least 3 conductors more than number of phones. One PRS-15 Power Supply is required for each system. Shpg. wt., 4½ lbs.

58 R 260. TSL-8 8-Station Master. *$5 Monthly*..........34.25

58 R 261. TSL-16 16-Station Master. *$5 Monthly*..........**39.95**

58 R 263. PRS-16 Power Supply. 6x2x3¼". Use 3-conductor cable, below. For 110-120 v., 50-60 cycle AC. 8 lbs..............**36.60**

Series TQ Common-Talk Phone Systems

Selective ringing with common talk-line—permits conference calls. Less cable and power supply, below. Use phone cable with at least 3 conductors more than the number of phones. 9½x3¼x3¼".

TQ6-A PUSHBUTTON PHONE. For up to 7 stations. 3 lbs.
58 R 264. *$5 Monthly*....................Each 22.00

TQ12-A PUSHBUTTON PHONE. For up to 13 stations. 3 lbs.
58 R 265. *$5 Monthly*....................Each **27.10**

58 R 266. PRS1-A Power Supply. 4x6x1⅝". Use 3-conductor cable, below. For 110-120 v., 50-60 cycle AC. 6 lbs..............**23.65**

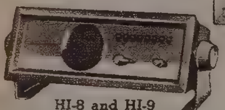
Cable For Above—100-Ft. and 500-Ft. Spools

No. of Cond.	Wt. per 100 Ft.	100-Ft. Spool		500-Ft. Spool	
		Stock No.	EACH	Stock No.	EACH
3	4 lbs.	47 T 633	2.25	48 TX 563	9.11
6	3½ lbs.	48 T 565	3.82	47 TX 458	16.17
12	6 lbs.	48 T 572	5.88	47 TX 560	27.20
18	8 lbs.	48 T 552	8.33	48 TX 553	37.88
26	11 lbs.	48 T 555	12.15	....	....

NEW! HI-9R 8-Station Intercom and AM Radio

HI-1

HI-4


HI-8 and HI-9

Cable Requirements

8-Station Central Master and Staff Units: use 6226 cable. Measure from 1st to 2nd unit, 2nd to 3rd, etc., and total. Or use junction box and measure from each station to box. **4-Station Staffs:** connect to nearest 8-station staff with 6214 cable. **Subs:** connect to nearest staff or master with 6202 cable. **Battery or Power Supply:** connect to master with 6202 cable.

Mfr's Type	No. of Cond.	Wt. per 100 Ft.	50' Coil		100' Coil	
			Stock No.	EACH	Stock No.	EACH
6226	26	12 lbs.	48 T 480	15.80	48 T 481	29.15
6202	2	4 lbs.	48 T 483	2.13	48 T 484	3.88
6214	7 Pr.	7 lbs.	48 T 027	8.10	48 T 075	14.95

Talk-A-Phone Deluxe Home Intercoms

Brings you the convenience of complete intercommunication, as well as the enjoyment of built-in AM radio all through the house, if desired. Fully transistorized for dependability and economical performance. Central Master and Staffs flush mount in wall, or with the HI-SM Housing Assembly (T-SM-L for HI-4), mount on wall or cabinet, or can be placed on table. Each system requires a Central Master, any number of Staffs or Subs in any combination, and either one HI-PS AC Power Supply or 4F6H 9-volt battery. Both Central Master and Staffs can call and converse with any other station or stations. Both have switches to make themselves "private" (so no one can listen-in), or "Non-private" (so that other stations can listen-in, as to baby). Outdoor Subs are always "non-private"; can be called by, and answer any Central Master or Staff. All Central Masters and Staff Stations have their own volume control. Front panels are beautifully finished in polished gold and satin silver tones. HI-9R, HI-9 and HI-8 panels measure 15¼x5¼". Wall opening, 4⅜x14¹⁄₁₆x3½", HWD. With plaster rings.

58 RX 000. HI-9R Central Master and AM Radio. 8-station capacity. Wt., 7 lbs. 89.50

58 RX 078. HI-9 Central Master less Radio. 8-station capacity. Wt., 7 lbs.......**58.00**

58 RX 080. HI-8 Staff Station. 8-Station capacity. Wt., 7 lbs..............**31.50**

58 R 127. HI-1 Outdoor Sub. Has illuminated name-plate, push button. Mounts in 2x2x2" deep wall opening. Size, 5⅝x3⅝". Shpg. wt., 1½ lbs..............**15.95**

58 R 135. HI-4 Wall-Mount Staff. Mounts in 6½x4½x2" wall opening. Calls or talks to any 3 stations. Size, 7³⁄₁₆x4¹⁄₁₆". Shpg. wt., 3¾ lbs..............**17.50**

58 R 136. T-SM-L Surface Mount. For HI-4 Staff, above. Shpg. wt., 2½ lbs.....**4.60**

58 R 130. HI-SM Housing Assembly. Permits HI-9, HI-9R or HI-8 units to be placed on table, mounted on wall or cabinet. 6x15½x4". Shpg. wt., 2½ lbs..............**11.00**

58 R 131. HI-JB8 8-Station Junction Box. 1¾x8¾x8". Shpg. wt., 1 lb..........**4.00**

58 R 132. HI-PS AC Power Supply. One required per system (or battery below). Uses less power than electric clock. For 110-120 v., 50-60 cycle AC. 3x5x2". 5 lbs...**15.95**

55 J 021. 4F6H 9-Volt Battery. 8½x4½x5⅞". Shpg. wt., 9 lbs..............**5.53**

Quality Sound-System Components by **Bogen**

P.A. AMPLIFIERS, MIXER-PREAMPS AND PLAYERS

Handles 5 Mikes Or
4 Mikes and Tuner/Phono

Model MXM Mixer-Preamplifier

For critical P.A. or recording applications. Features: 5 separately controlled mike inputs—one converts for use as phono or tuner input; level meter for monitoring combined output; hi-Z output for booster amplifier, below; speech filter for each channel; variable level markers; tone controls. **Output:** +18 db at less than 1% distortion. **Response:** ±2 db, 20-20,000 cps. **Hum:** −60 db. **Controls:** 5 gain, 4 speech filters, mike-tuner-phono, bass, treble, on-off master gain. 9 tubes, rectifier. With case, 5⅜x16¼x13″. For 110-120 v., 50-60 cycle AC. 24 lbs.

57 SU 310. *$9 Monthly*........ 160.40

57 S 336. T-155 **Transformer.** 200-ohm, plug-in mike transformer. Shpg. wt., 1 lb........**9.40**

57 SU 316. MO-100A **Booster.** 100-watt, ±1 db, 8-50,000 cps. Requires 2 v. input. Shpg. wt., 36 lbs. *$7 Monthly*........**136.45**

All-Transistor Mobile Amplifier

- 35-Watt Output
- Inputs for Tuner, Tape, Phono, Fog Horn or Siren
- Splashproof Design
- Polarity Protected

MODEL BT35 35-WATT AMPLIFIER. Compact, fully-transistorized unit for use in cars and boats. Delivers 35-watt continuous output at less than 10% distortion within −20 to +65°C temp. range. Low-Z mike input; 2 hi-Z aux. inputs for tuner, tape, phono or accessory siren or fog horn. Splashproof design; polarity protected to prevent improper connection to battery. 5 transistors, silicon diode. **Response:** ±3 db, 150-15,000 cps. **Gain:** Mic, 110 db; Aux., 90 db. **Hum:** −90 db. **Outputs:** 4, 8, 16 ohms. With case, 3x8x6¼″. For 12-volt DC. Shpg. wt., 11 lbs.

57 SX 364. *$5 Monthly*........79.45

57 SX 365. Model BT20. Above, but 20 watts. 2 inputs: Mic., Aux. ±3 db, 250-12,000 cps. 6½x4½x4″. 7 lbs. *$5 Monthly*.....**59.95**

Famous "Challenger" P.A. Amplifiers

MODEL CHB35A 35-WATT AMPLIFIER. Medium-power amplifier featuring 2 mike inputs with separate controls and 2 phono inputs with fader. Separate bass and treble controls; master volume control. Can use mag. phono cartridge. **Response:** ±2 db, 20-20,000 cps. **Gain:** Mic, 125 db; Phono, 100 db; Mag., 115 db. **Hum:** −80 db. **Outputs:** 4, 8, 16 ohms. 6 tubes, 3 diodes with case, 6¾x15¾x10″. U.L. Listed. For 105-125 v., 50-60 cycle AC. 21 lbs.

57 SX 346. *$5 Monthly*........73.40

57 SX 358. Model CHB20A. Above, but 20 watts and only 1 mike input. Shpg. wt., 19 lbs. *$5 Monthly*........**59.95**

57 SX 347. Model CHB50. Similar to CHB35A, above, but 50 watts. Shpg. wt., 24 lbs. *$5 Monthly*........**85.40**

57 SX 348. Model CHB100. Same as above, but 100 watt output. Shpg. wt., 29 lbs. *$6 Monthly*........**116.90**

MODEL CHB1225. 20-watt, all-transistor P.A. amplifier for 117 v. AC and mobile use. Inputs: 2 mike, 1 aux. **Response:** ±2 db, 60-20,000 cps. **Gain:** Mic, 120 db; Aux., 90 db. **Hum:** −70 db. **Outputs:** 4, 8, 16 ohms; 25 and 70 v. 11 transistors, 3 diodes. For 110-120 v., 50-60 cycle AC, or 12-15 VDC. 16 lbs.

57 SX 372. *$6 Monthly*........109.35

Phono Tops for "Challenger" Amplifiers

MODEL LPC-4. 4-speed top for all but CHB1225 (see below). With cartridge, turntable mat and mtg. brackets. 5x13x9¼″. 7 lbs.

57 SX 373. *$6 Monthly*........22.65

57 SX 000. 3-Speed Phono Top for CHB1225. 7 lbs........**29.40**

Low-Cost Mixer-Preamplifier

MODEL MX6-A. Invaluable for multi-mixing in P.A. and recording. Mixes any combination of 4 of its 6 inputs: 4 hi-Z mike inputs, 2 tuner/phono inputs. Features gain for each channel; power on-off pilot light; cathode-follower output. **Gain:** Mic, 59 db; Phono, 30 db. With case, 5½x8x3¾″. For 110-120 v., 60 cycle AC. Shpg. wt., 6 lbs.

57 SX 337. *$5 Monthly*......40.50

Transistorized and Tube-Type Transcription Players

VP25 TRANSISTORIZED PLAYER. Portable player and 20-watt P.A. system. One side of case is amplifier/player; other is 12″ heavy-duty speaker system on 25′ cable. Professional turntable has less than 0.5% wow and flutter; G.E. mag. cartridge; sapphire needles; arm-pressure adjust; variable from 29 to 86 rpm (click-stops at 16, 33⅓, 45, 78); automatic cuing. Takes up to 16″ discs. **Response:** ±1 db, 45-18,000 cps. **Inputs:** 2 hi-Z mike, 1 tape/tuner. 13 transistors, 2 diodes. 10¾x15¾x16½″. For 110-120 v., 60 cycle AC. 42 lbs.

57 SU 300. *$9 Monthly*........177.25

VP50-DS TRANSISTORIZED PLAYER. Similar to VP25, at left; but 40-watt amplifier and 2 detachable 12″ speaker systems. 15 transistors, 2 diodes. 58 lbs.

57 SU 374. *$13 Monthly*......249.25

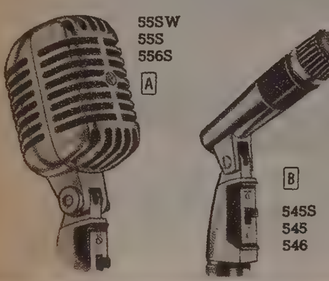
VP10 TUBE-TYPE PLAYER (not illus.). 10-watt portable player and P.A. system. Plays up to 12″ discs at 4 speeds (16, 33⅓, 45, 78-rpm). Speed variable ±5%. 1 hi-Z mike input, 1 phono input. 12″ speaker with 25′ cable. 15½x14x11½″. Black, gray. For 110-120 v., 60 cycle AC. 29 lbs.

57 SU 345. *$5 Monthly*........96.90

VP25 Player—Amplifier

SHURE General-Purpose Dynamic Mikes

WORLD FAMOUS "UNIDYNE" MIKES



A **MODEL 55SW "UNIDYNE II."** Exceptional dynamic mike for theaters and deluxe sound systems. 50-15,000 cps. Ultra-cardioid pickup pattern prevents feedback. 3-way impedance switch. Outputs: 35-50 ohms, −55 db; 150-250 ohms, −56 db; hi-Z, −57 db. Satin chrome. On-off switch; swivel mount; ⅝"-27 thread. 18′ 2-cond. cable. 7⅜x2 3/16x3 1/16". 4¼ lbs.
57 S 135. *$5 Monthly*........ 49.98

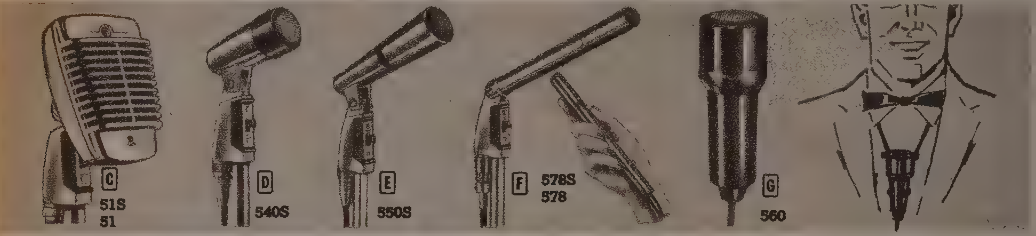
57 S 234. Model 55S. Above, without on-off switch. *$5 Monthly*........ **48.80**

57 S 235. Model 556S. Deluxe version of 55SW. Closer tolerances, 40-15,000 cps response. Shock mounted. Cannon XL-3-11 connector, 20′ 2-cond. cable. Shpg. wt., 4½ lbs. *$5 Monthly*........ **79.38**

B **MODEL 545S "UNIDYNE III."** Slender, cardioid pattern dynamic. 50-15,000 cps Dual imped. Outputs: 50-250 ohms, −57 db; hi-Z, −55 db. Chrome, black. On-off switch, swivel mount. 18′ 3-cond. cable. 5 13/16x1¼" dia. 3 lbs.
57 S 133. *$5 Monthly*........ 52.89

57 S 161. Model 545. Above, without on-off switch. Swivel adapter........ **49.98**

57 S 458. Model 546. Above, shock mounted. Has 50-250-ohm impedance switch, swivel mount, Cannon XL-3-11 connector, 20′ 2 cond. cable. 3⅝ lbs........ **79.38**



C **MODEL 51S "SONODYNE I."** Rugged, high output omnidirectional dynamic mike. 60-10,000 cps. 3-way imp. switch. Outputs: 35-50 ohms, −53 db; 150-250 ohms, −52.5 db; high-impedance, −52 db. Satin chrome. Swivel mount; on-off switch. 15′ 2-cond. cable. 5 3/16x3⅛x⅛". 3½ lbs.
57 S 136. *$5 Monthly*........ 30.28

57 S 228. Model 51. Above, but without on-off switch. *$5 Monthly*........ **29.11**

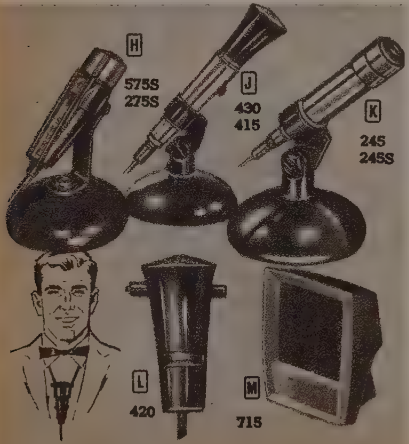
D **MODEL 540S "SONODYNE II."** All-directional 360° mike. Fine for recording applications and sound systems. Has on-off switch; adjustable response: 60-10,000 cps for music, 150-6500 cps for voice. Dual-impedance: 50-250 ohms and high impedance. Outputs: hi-Z, −55 db; low-Z, −57 db. Chrome and black. Swivel mount. 15′ 2-cond. cable. 3⅝x1 11/16". 2¼ lbs.
57 S 132. *$5 Monthly*........ 29.37

E **NEW MODEL 550S.** New, wide-range dynamic microphone for use in high fidelity recording and quality sound systems. 40-15,000 cps response. Dual impedance: 50-250 ohms and high impedance. Output levels: hi-Z, −58.5 db; low-Z, −57.5 db. Satin chrome. Has on-off switch. With swivel mount and 18′ 2-conductor cable. 6½x1½" dia. Shpg. wt., 3 lbs.
57 S 459. *$5 Monthly*........ 40.57

F **NEW MODEL 578S "OMNIDYNE."** Ultra-slim, all-directional dynamic microphone featuring outstanding sound reproduction. 50-17,000 cps response. Dual impedance: 200 ohms and high impedance. Output levels: hi-Z, −59 db; low-Z, −60 db. Satin chrome. Has on-off switch. With swivel mount and 18′ 3-conductor cable. 7⅜x¾" diameter. Shpg. wt., 1¼ lb.
57 S 460. *$5 Monthly*........ 52.92

57 S 442. Model 578. Identical to Model 578S, listed at left; but includes probe design for convenient hand-held use, in addition to swivel adapter for mounting on stand. Wt., 11 oz. *$5 Monthly*........ **48.51**

G **NEW MODEL 560.** Dual impedance, dynamic microphone designed especially for lavalier applications. Also provides versatility of operation: can be used in hand, on floor stand or on desk stand as well as worn in lavalier manner around neck. 40-10,000 cps response. Equipped with pin jacks that can be easily changed to furnish a choice of 2 impedances; 150-250 ohms and high impedance. Output levels: hi-Z, −60 db; low-Z, −60 db. Black satin. With lavalier cord and clip that detach quickly for hand use. 18′ 2-conductor cable. 3 29/32x1 21/64" dia. Shpg. wt., 15 oz.
57 S 461. *$5 Monthly*........ 24.99



Low-Cost Home Recording and P.A. Microphones

H **NEW MODEL 575S.** High impedance, dynamic mike upgrades home recording 40-15,000 db. Output −59 db. Black satin. On-off switch, stand adapter, lavalier cord. 7′ single conductor cable. 4¾x1¼". 5 oz.
57 S 462........ 14.11

57 S 284. Model 275S. Ceramic version of above. 40-12,000 cps. Impedance: 1-5 meg. Output: −59.5. Switch, stand adapter, lavalier assembly. 5 oz........ **8.81**

J **MODEL 430.** Controlled magnetic mike with dual impedance. 60-10,000 cps. Output: −52 db. Satin chrome. Push-to-talk switch, swivel adapter, 15′ 2-conductor cable. 6 37/64x1¾". Shpg. wt., 2¼ lbs.
57 S 213. *$5 Monthly*........ 22.64

57 S 463. New Model 415. Above, but high impedance only. Without switch. Swivel adapter, 7′ single conductor cable. Wt., 1½ lbs........ **16.17**

K **MODEL 245.** High impedance, ceramic mike with cardioid pattern. 50-7000 cps. Output: −59 db. Swivel adapter, 15′ cable. 4¾x1⅛". 1¼ lbs.
57 S 285. *$5 Monthly*........ 20.58

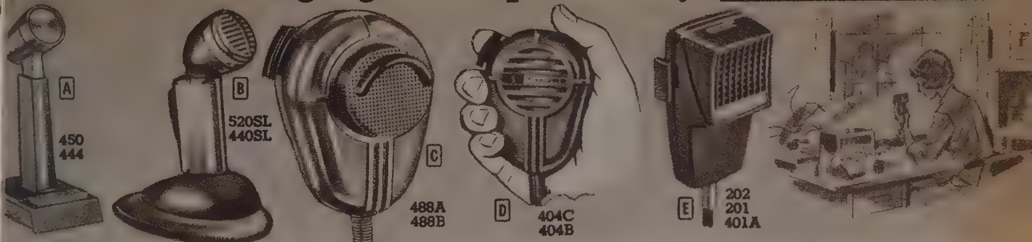
57 S 286. Model 245S. Above, with on-off switch. *$5 Monthly*........ **21.76**

L **MODEL 420.** Dual impedance, controlled magnetic mike, lavalier type. 150-250 ohms and high impedance. Output: −52 db. 20′ 2-cond. cable, lavalier assembly. 3 11/16x1¾". Shpg. wt., ¾ lb.
57 S 212........ 17.64

M **MODEL 715.** High impedance crystal mike with built-in stand. 50-10,000 cps. 1-5 meg. Output: −50 db. 5′ cable. 3⅛x2 3/16x1¼". 1½ lbs.
57 S 215........ 4.70

Stand-Mounting Mikes Have ⅝"-27 Threads

Ham and Paging Microphones by SHURE



A **MODEL 450.** Controlled magnetic paging mike. Modern two-tone gray "Armo-Dur" case. Adjustable stand height. Lockable push-to-talk, mike-relay switch. 100-9000 cps. Dual impedance. Outputs: hi-Z, −52.5 db; low-Z, −51 db. 7′ 4-cond. cable. $10\frac{5}{16}$x$5\frac{11}{16}$x4″. Wt., 3½ lbs.
57 S 444. *$5 Monthly*..........29.11

57 S 441. Model 444 Ham Mike. Above, but high impedance only. 300-3000 cps. Output: −52.5 db. Switch for VOX.....**24.99**

B **MODEL 520SL.** High impedance, controlled magnetic mike. Grip-to-talk, lockable mike-relay switch. 100-9000 cps. Output: −52.5 db. Chrome, green. 7′ 2-cond. cable. 9⅜″ high. 5″ base. 5 lbs.
57 S 233. *$5 Monthly*..........26.46

57 S 464. Model 440SL. Above, but 300-3000 cps response. *$5 Monthly*.....**27.93**

C **MODEL 488A.** Controlled magnetic, noise-cancelling mike designed for mobile use. 200-4000 cps. High imp. Output: −18 db. Convenient push-to-talk switch, lip guard, hang-up bracket, 5½′ 3-conductor cable. Size, $3\frac{11}{16}$x2⅝x2½″. 1 lb.
57 S 439. *$5 Monthly*..........33.81

57 S 440. Model 488B. Above, but low impedance. 150-250 ohms. Output: −37 db. Shpg. wt., 1 lb. *$5 Monthly*.......**33.81**

D **MODEL 404C.** Controlled magnetic, hi-Z mike for mobile use. 200-8000 cps. Output: −50.5 db. PTT switch, hang-up bracket, 5½′ 4-cond. cable. 1 lb.
57 S 141....................19.40

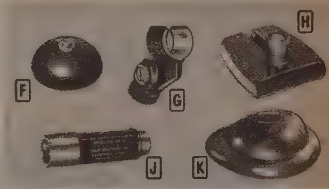
57 S 140. Model 404B. Above, low imp., 150-250 ohms. Output: −50 db.....**19.40**

E **NEW 202.** Ceramic, noise-cancelling hi-Z. 200-4000 cps. Out.: −50.5 db. Switch, bracket, 5′ 3-cond. cable. 1 lb.
57 S 465....................11.76

57 S 280. Model 201. Above, but not noise-cancelling. 1 lb..............**10.58**

57 S 281. Model 401A. Above, but controlled magnetic. 1 lb..............**12.94**

Accessories for Shure Microphones



F **S-38B BASE.** For 777, 245, 275S and 430 Series mikes. 1½ lbs.
57 S 445....................2.65

G **A-25B SWIVEL 90° ADAPTER.** For 777 mike. ⅝″-27 thread. ½ lb.
57 S 446....................3.23

H **S-33 BASE.** For any mike with A-25 Swivel Adapter, above, or 545, 556S and 578 mikes without adapter. 1½ lbs.
57 S 295....................8.82

J **A95A TRANSFORMER.** For running lines from low-Z mike to high-Z amplifier inputs. Built-in Amphenol MC1F output and Cannon XL-3-11 input. Matches 35-50 or 150-250 ohms. Response, ±1 db, 20-20,000 cps. 2½x¾″. 9 oz.
57 S 466....................10.29

K **S-36A DESK MOUNT.** Fits 55S(W), 51(S), 545S, 540S. Wt., 1¼ lbs.
57 S 191....................4.70

Mike Connectors, Mixers and Cables

SWITCHCRAFT CONNECTORS. Single-contact types. Std. ⅝″-27 thread. 2501 fits all Knight P.A. amplifiers (except KN-3050—uses Fig. P). To splice 2 cords, use two 2501F (as plugs or jacks). Av. wt., 3 oz.

Stk. No.	Type	Fig.	Description	EA.
57 S 405	2501F	L	Plug or Jack	35¢
57 S 406	2501M	M	Plug	26¢
41 H 657	44	N	Phone Plug Adapt.	30¢

STRAIGHT-CORD PLUGS. Amphenol 3-contact audio connectors. Clamps, socket insulator. Push-action, latch lock. 15 amps. 4 oz.

Stk. No.	Type	Fig.	Descript.	EA.
42 H 066	91-854	P	Fem. Socket	1.54
42 H 065	91-853	R	Male Pin	1.34

MIKE EXTENSION CABLES. 2-cond. shielded. Type 87AU87 is Fig. S. 91BU92 is Fig. T. 25 ft. Shpg. wt., 1¼ lbs.

Stk. No.	Type	Description	EACH
57 S 156	87AU87	75-MC1F ea. end	2.94
57 S 158	91BU92	Switchcraft 91-854,-3 plugs	7.35

W **MINI-MIX AUDIO MIXERS.** Accept two high-impedance sources. Separate gain controls. $2\frac{1}{16}$x$1\frac{13}{16}$x$1\frac{1}{16}$″. 4 oz.

57 S 112. Phone jack input and plug output for standard jacks..............**4.67**

57 S 114. As above, but with longer output for recessed jacks..............**5.26**

57 S 113. Male inputs, female outputs for ⅝″-27 screw-type connector.........**4.67**

57 S 404. For late model Wollensak and Revere tape recorders..............**5.26**

BELDEN SHIELDED MIKE CABLE. All 1-conductor, high-imp. types, except *low-imp. Av. shpg. wt. per 100′, 4 lbs.

Mfr's Type	Dia.	50′ Spool Stock No.	50′ Spool EA.	100′ Spool Stock No.	100′ Spool EA.
8401	.200″	47 T 863	2.30	47 T 864	4.21
8410	.245″	47 T 798	3.82	47 T 799	7.20
8411	.144″	47 T 868	1.71	47 T 869	3.09
8422*	.231″	47 T 874	3.18	47 T 875	5.73
8428*	.295″	....	.....	47 T 848	10.29

STEREO
MON.
SWITCHCRAFT

Switchcraft Stereo Mixers

MODEL 306. 4 monophonic channels convert to 2 stereos. Four input jacks on rear panel. High-impedance circuitry. Two phono jacks for output to amplifier or tape recorder. 2x3x6″. Wt., 1½ lbs.
57 S 171....................13.23

MODEL 306TR. As above, but with two battery-operated transistor amplifiers. Battery included. Shpg. wt., 1½ lbs.
57 S 172. *$5 Monthly*..........**22.05**

Switchcraft Mono Mixers

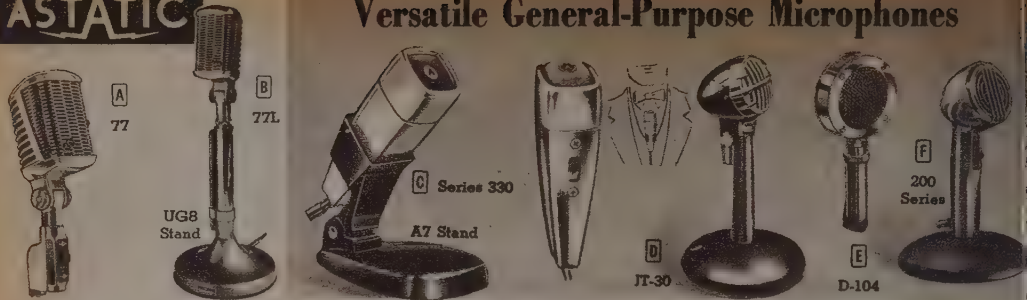
MODEL 301. (Not illustrated.) Similar to 306. Permits mixing four signals into a single output. Accepts std. 2-cond. phone plugs—std. phono jack output to recorder or amplifier. 2x3x6″. 1½ lbs.
57 S 169....................**11.47**

MODEL 301TR. Above, but battery-powered transistor amp. With battery. 1½ lbs.
57 S 170....................**17.64**

41 H 341. 36″ Connector Cable. Pin Plug one end, phono plug other. 4 oz.......**88¢**

ASTATIC

Versatile General-Purpose Microphones



Deluxe Dynamic Cardioid Mike

- Response Ideal for Tape Recording
- Directional Pickup for P.A. Use
- "Pop" and "Blast Proof" Diaphragm

A 77. Features high front-to-back cancellation of 18 db for minimum pickup from the rear—virtually eliminates feedback. 30-15,000 cps. Output, −52 db at 50 ohms. Switch selects 30, 50, 150-250 ohms and high-Z. On-off switch. ⅝"-27 thread. Satin-chrome. 8x2⅛x2⅝". 20-ft. 2-cond. cable. Less stand. Shpg. wt., 3 lbs.
57 S 177. *$5 Monthly*.......... 48.51

B 77L. As above, but no on-off switch. Less stand, below. Wt., 3 lbs.
57 S 454. *$5 Monthly*.......... 42.63

UG8 DESK STAND. Has grip-to-talk on-off bar with slide-lock "on" position—noise and click-free. For 77L, D-104, etc. Chrome with gray base. 8¼x5½" dia. 6-ft. 4-cond. cable. Shpg. wt., 1¾ lbs.
57 S 455.................... 17.61

Slim All-Purpose Mikes

C Non-directional mikes for Citizens Band, Ham, P.A., taping, other uses. Have off-on switch, except 331 has momentary "On" spring-return switch. With lavalier (except 331) and adapter for ⅝"-27 thread stand. Less stand. 4½x1¼". 1 lb.

MODEL 332 CRYSTAL. 30-15,000 cps. −54 db. Hi-Z. 8' cable. Black, chrome.
57 S 122.................... 10.52

MODEL 331 CERAMIC. Has press-to-talk switch with provision for relay control. 300-5000 cps. Output, −56 db. High-impedance. Black and chrome. With hang-up bracket and 8-ft. (extended) coiled cord.
57 S 127.................... 10.52

MODEL 335H DYNAMIC. 60-12,000 cps. Output, −56 db. High imp. Gray.
57 S 129.................... 15.58

A-7 DESK STAND. For 330 Series mikes above. Black plastic. 5 oz.
57 S 147.................... 1.44

High-Impedance Crystal Mikes

D MODEL JT-30. Excellent for CB, Hams, P.A., recording, etc. With removable hand grip and desk-type stand. Can be mounted on floor stands. 30-10,000 cps. Non-directional. −49 db. Gray and chrome. 8" high. 8-ft. cable. 2½ lbs.
57 S 223.................... 10.82

E MODEL D-104. "Premier" mike for CB or Hams. 30-7,500 cps "peaked" for maximum speech intelligibility. Non-directional. Output, −45 db. Chrome. ⅝"-27 thread adapter, 5-ft. cable. 1¾ lbs.
57 S 225.................... 18.23
57 S 401. Repl. Cartridge. 2 oz..... **5.59**

F MODEL 200. For CB, Hams, paging, etc. 30-10,000 cps. Non-directional. −50 db. Detachable base. ⅝"-27 thread. Gold and chrome. 8x2½" diameter. 8-ft. cable. Shpg. wt., 1¼ lbs.
57 S 126.................... 11.47
57 S 402. Model 200-S. As above, but with on-off switch. Wt., 1¼ lbs...... **12.64**

G
H
ASTATIC
Versatile Hand Microphones
Fine for Recording

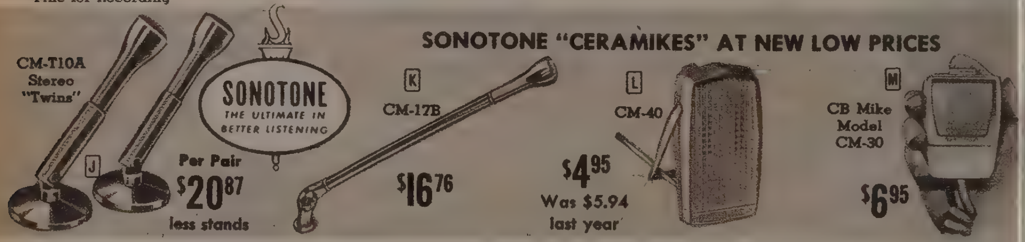
Economy Microphones for Tape Recording and Communications

G MODEL 150 CRYSTAL. High-output mike with semi-directional pickup pattern. Response, 30-10,000 cps. Output, −44 db. High-impedance. Only 2$\frac{3}{16}$x2$\frac{3}{16}$x1¼". High-impact plastic case. 5-ft. single-conductor shielded cable. Wt., 8 oz.
57 S 144.................... 3.82

57 S 150. MC-151 Replacement Cartridge. For Astatic crystal mikes: CX, CX-1, 200, 241, JT-30, JT-30F, JT-40, T-3. 3 oz... **4.12**

H MODEL 531 "SUPER TALK-POWER" CERAMIC. Mobile styled for Ham, Citizens Band, paging, etc. applications. Response; 150-3500 cps "peaked" for high-intelligibility voice transmission. Semi-directional. Press-to-talk switch shorts mike in "off" position and closes relay circuit in "on" position. Output, −50 db. Hi-Z. High-impact case, 3$\frac{3}{8}$x2$\frac{3}{8}$x1⅓". 5-ft., 3-conductor coiled cord. Wt., 7¼ oz.
57 S 456.................... 7.50

SONOTONE "CERAMIKES" AT NEW LOW PRICES



J CM-T10A "MATCHED TWINS." Pair of matched ceramic mikes for stereo recording. 50-11,000 cps. −56 db. Omnidirectional. Hi-Z. Brushed chrome; gold grille. 7' cables, phone plugs. Less CMS-10 stands. 5⅛x1$\frac{9}{16}$".
57 S 151. *$5 Monthly*... Per Pair 20.87

57 S 178. Model CM-10A. Same as above but one mike only for monophonic recording, P.A., etc. 7' cable and phone plug. Less CMS-10 stand. 2 lbs.......... **10.29**

MODEL CMS-10 STAND. Chrome-finished, swivel mount. For CM-T10A. Removable base with ⅝"-27 thread. 2 lbs.
57 S 179.................... 2.94

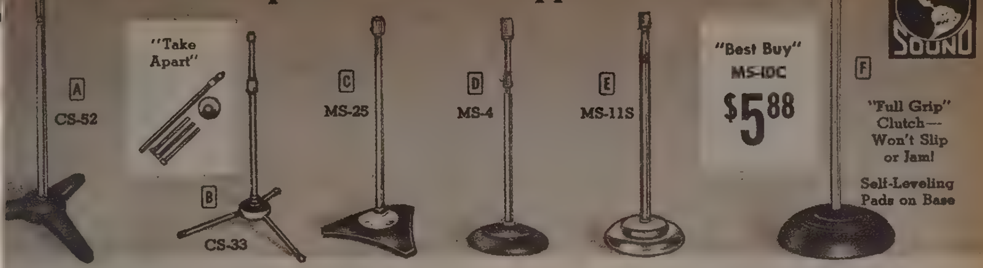
K MODEL CM-17B. Studio-styled high-impedance ceramic mike on 13" fixed boom with 350° swivel. Perfectly suited to P.A. and audio-visual applications. 50-11,000 cps. Output, −56 db. Brushed chrome case. With 6-ft. cable. 4 lbs.
57 S 154.................... 16.76

L CM-40. Ceramic mike for hand or desk use (has swing-out stand). 40-8000 cps. For home recording. −50 db. Hi-Z. 5-ft. cable. Plastic case, 4" high. 14 oz.
57 S 435. Was $5.94............ 4.95

M CM-30. For Citizens Band, other 2-way radio uses. High-imp. Ceramic. 90-6000 cps. Press-to-talk button. Output, −49 db. High-impact plastic case. 6-ft. 4-cond. coiled cable. 3x2x½". 1 lb.
57 S 457.................... 6.95

Use Allied's Convenient Credit Fund Plan

ATLAS Microphone Stands, Supports and Booms



CS-52 FLOOR STAND. Three-legged portable stand is easily assembled. rome-plated tube adjusts from 34" to 62". e finished in gray shrivel; diameter, 15". -27 thread. 9 lbs.
SX 450-2........................6.91

CS-33 "TAKE APART" TYPE FLOOR STAND. Fully collapsible stand for maxum portability. Adjusts from 26" to 64". -27 thread. Chrome plated. 4 lbs.
SX 327........................8.53

MS-25 PROFESSIONAL FLOOR STAND. "Air Lock Cushion" controls drop, prets slippage and mike damage. Adjusts m 37" to 66". Base dia., 17". Chrome and gray base; chrome-plated tube. ⅝"-27 thread. Wt., 25 lbs.
57 SU 330-2........................16.46

D MS-4 TELESCOPING FLOOR STAND. Three sections make frequent adjustments easy—from 26" to 61". Ideal for schools, etc. Base, gray shrivel; dia., 10". Chromed. ⅝"-27 thread. 14 lbs.
57 SX 270-2........................9.26

E MS-11S AUTOMATIC FLOOR STAND. Press "Sleeve Action" control, and telescoping tube section lowers to desired position. Adjustable from 35"-65". Chrome. Base dia. 10". ⅝"-27 thread. 16 lbs.
57 SX 271-2........................14.70

F MS-10C FLOOR STAND. Excellent for average weight mike. Clutch for secure hand grip. Adjusts from 35" to 64". Gray base has self-leveling, shock absorbing pads. 2-section chrome tube. Base dia., 10". ⅝"-27 thread. 13 lbs.
57 SX 325-2........................5.88

57 SX 326-2. MS-11C. As above, but with all chrome finish. 16 lbs..............**8.09**

BB-1 "BABY BOOM" STAND ATTACHMENT. Converts any floor stand with ⅝"-27 thread to boom-type stand. 5-ft. circle positioning; adjustable counter-balance. Chrome. 31" long. 6 lbs.
57 SX 328........................4.70

ESK, BANQUET AND SWITCHBOARD MICROPHONE STANDS

DS-7 ADJUSTABLE DESK STAND. "Velvet-action" clutch permits 2-section tube ustment from 8" to 13". Chrome-plated e. Gray, cast-iron base has 6" diameter; tective, no-mar rubber pads. ⅝"-27 ead. Shpg. wt., 3 lbs.
S 186........................3.23

DS-10 DESK STAND. Cable fits in slot under chrome trim. Gun-metal enamd. ⅝"-27 thread. 1½ lbs.
S 205........................3.23

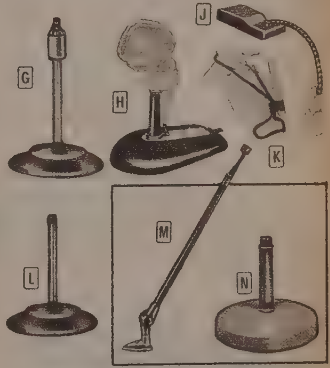
SB-1 SWITCHBOARD SUPPORT. Position atop switchboard or control panels, —for "hands-free" uses. Flexible arm is " long. ⅝"-27 thread. Heavy cast-iron se, 9x6½". Shpg. wt., 13 lbs.
S 145........................9.26

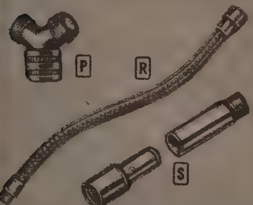
K NS-1 NECK and CHEST HOLDER. Neck cord, non-rolling chest support and removable goose-neck holder. 6 oz.
57 S 183........................3.23

L DS-5 DESK STAND. Chrome-plated tube. 4" high. Cast-iron base has 6" diameter; rubber pads. ⅝"-27 thread. 2 lbs.
57 S 208........................1.91

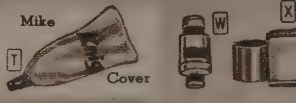
M US-2 MULTI-PURPOSE SUPPORT. Floating vertical (180°) and rotation (360°) movement. Arm, 12¾" long. Base dia., 2⅝". Chrome. ⅝"-27 thread. 2 lbs.
57 S 273........................5.59

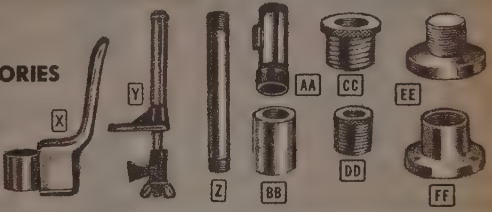
N DS-4 DESK SUPPORT. Light beige base and detachable chrome tube. Base 5"; tube 4" high. ⅝"-27 thread. ½ lb.
57 S 272........................1.47





MICROPHONE ACCESSORIES





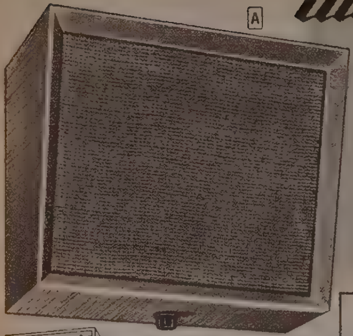
Stock No.	Fig.	Description	Wt.	EACH
41 H 996	P	"Y" Mike Connector	2 oz.	.99
57 S 189	R	Flexible 13" Gooseneck	1 lb.	1.62
57 S 206	R	As above. 19" long	1½ lbs.	2.35
57 S 187	S	Snap-on Mike Attachment	1 lb.	1.62
57 S 115	T	"Save-Ur-Mike" Plastic Cover	2 oz.	.79
41 H 946	W	Mike Volume Control; Hi-imp.	6 oz.	4.17
57 S 207	X	Cable Hanger; fits all stems ⅞" to 1¼" in diameter	½ lb.	1.62
57 S 190	Y	Bracket Clamp; 6" stem	1 lb.	2.06
57 S 106	Z	3" Extension Rod; ⅝"-27 ends	3 oz.	.38
57 S 105	Z	As above. 6" long	4 oz.	.44
41 H 950	AA	Push-to-Talk Switch with lock	6 oz.	1.98
57 S 204	....	Gyromatic Mike Lock Swivel	1½ lbs.	2.79

ATLAS MIKE STAND ADAPTERS. For use with most desk and floor-type microphone stands. All adapters are heavy-duty chrome-plated units. Shpg. wt.: Models AD1, AD2, AD3, AD4 and AD5, 2 oz.; AD11 and AD12, 6 oz.

Stock No.	Mfr's. Type	Fig.	Description	EACH
57 S 108	AD1	CC	For adapting RCA mikes. ½" male to ⅝"-27 female	53¢
57 S 198	AD2	DD	⅛" pipe female to ⅝"-27 male.	38¢
57 S 199	AD3	BB	⅛" pipe female to ⅝"-27 female.	38¢
57 S 201	AD4	. . .	¾" long. ⅝"-27 male coupling.	20¢
57 S 202	AD5	BB	⅝"-27 to ⅝"-27 female coupling.	38¢
57 S 104	AD11	FF	Mike base flange. Female. ⅝"-27.	44¢
57 S 103	AD12	EE	Mike base flange. Male. ⅝"-27.	44¢

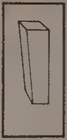
Stands on this Page Fit Microphones with Standard ⅝"-27 Threads

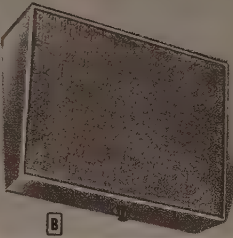
utah Speaker-Baffle Combinations



Dual-Diameter Speaker

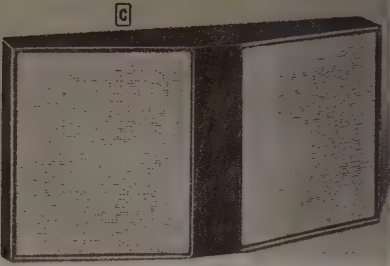
As Low As $13^{95}

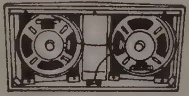




Extra Thin $10^{95}

Dual-Diameter Speaker
Twice the Sound per Watt





$19^{90}

Dual-Diameter
Efficient Speakers

A 8″ Wall Speaker-Baffle Combination

Rugged, tastefully styled, and completely wired—fine choice as extension speaker for recreation room or den. Dual-diameter 8″ speaker with 10-watt capacity delivers twice the sound per watt. L-pad volume control—saves you steps by allowing you to adjust volume at the speaker rather than returning to music source. Neat-appearing recessed front. 8-ohm impedance. 9½x12x6″. In mahogany, walnut or blonde—**specify finish**. Shpg. wt., 6 lbs.

57 DX 552-C 13.95

70.7-VOLT SPEAKER-BAFFLE. Above, but for 70.7-v. systems. With 10-watt 70.7-v. transformer, L-pad. 7 lbs.

57 DX 553-C. Specify finish **15.95**

8-OHM SPEAKER ALONE. With wired L-pad on 18″ cable. 3 lbs.

57 D 570 .... **6.65**

70.7-V. SPEAKER. As above, but for 70.7-v. systems. 4 lbs.

57 D 571 .... **8.65**

Low-Cost 8″ Wall Speaker-Baffle

(Not illus. Similar to Fig. B.) Use as extension speaker or where background music is desired. Utah 8″ speaker has screw terminals. 8-ohm impedance. 6-watt capacity. Mounting hardware included. In blonde or walnut—**specify**. 9½x12x4″. 5 lbs.

57 DX 843-C 9.95

B Extra-Thin 8″ Wall Speaker-Baffle

This streamlined, thin-silhouette sloping baffle can be hung on the wall as easily as you hang a picture. Use it as a remote speaker to carry hi-fi music to other rooms in the home—also excellent for use in offices, dens, on patios, etc.

Features the remarkable 8″ shallow speaker designed by Utah to give twice the sound per watt. Built-in L-pad volume control allows you to adjust speaker volume without changing setting at the main source. Size: 9″ high, 12″ wide, 4″ deep. Power handling capacity: 6 watts. Impedance: 8 ohms. Choice of two handsome woodgrain finishes: blonde or walnut—**specify**. With mounting hardware and instructions plus screw-terminal connections. 3½ lbs.

57 DX 842-C. Specify finish 10.95

C TP-88 Wide-Angle Speaker-Baffle

Unique design uses two 8″ shallow-cone speakers mounted at oblique angles to each other—distributes music to all corners of the room. Speakers boast efficient barium ferrite magnets to help deliver twice the sound per watt. 8-ohm impedance. 15-watt capacity. Enclosure is only 4″ deep at center—tapers to 2″ at outside edges. 180° dispersion. Attractively styled in ⅜″ plywood. Mounting hardware, screw terminal board included. In walnut or blonde—**specify**. 10x20x4″. 6 lbs.

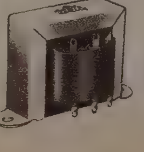
57 DX 841-C. *$5 Monthly* 19.90

Only 2½″ Deep!

Ceiling Speaker-Baffle 8″ Dual-Diameter Speaker

Eliminates ceiling cut-outs! Only 2½″ deep—quickly mounts on ceiling ⅜″ to ¾″ thick with supplied mounting hardware. Provides excellent reproduction of both voice and music. Uses unique 8″-dia. shallow speaker (2⅛″ deep) to save space while assuring good response—no sacrifice of performance. Efficient barium ferrite speaker magnet helps deliver twice the sound per watt—requires less amplifier power for the same degree of volume. Capacity, 6 watts. Imped., 8 ohms. 12½x12½x2½″. Beige color. 7 lbs.

57 DX 844 .... 9.95



Utah Public-Address Speakers and Transformers

SUPER-THIN SPEAKERS WITH CERAMIC MAGNETS

Space-saving, super-thin round speakers for P.A. use. Number in Mfr's Type indicates diameter. Suffix "W" indicates units with dual cones for higher response. Voice coil impedance, 8 ohms.

Stock No.	Mfr's Type	Watts	Magnet Oz.	Depth In.	Wt., Lbs.	EACH 1-2	EACH 3-5	EACH 6-Up
57 DX 907	PA8ECS	8	3.0	1⅞	1¾	4.89	4.65	4.40
57 DX 908	PA8FC	10	4.8	2¾	2	4.98	4.73	4.48
57 DX 909	PA8FC-W	10	4.8	2¾	2	5.28	5.02	4.75
57 DX 910	PA8GC-W	10	4.8	2⅞	2¼	5.85	5.56	5.26
57 DX 911	PA8HC	12	6.0	2⅞	2½	6.12	5.81	5.51
57 DX 912	PA8JC	15	10.0	3	3	6.90	6.55	6.21
57 DX 913	PA8JC-W	15	10.0	3	3	7.35	6.98	6.61
57 DX 914	PA12JC	18	10.0	4⁷⁄₁₆	4	8.70	8.26	7.83

THIN SPEAKERS WITH ALNICO V MAGNETS

Thin-design speakers for P.A. use. Number in Mfr's Type indicates diameter. All are round except *pincushion. Impedance 8 ohms.

57 DX 915	*PA8F	10	3.16	3½	1¾	4.95	4.70	4.45
57 DX 916	PA8J	15	6.8	4¹⁄₁₆	3	7.08	6.73	6.37
57 DX 917	PA12J	18	6.8	5⁷⁄₁₆	5	9.51	9.03	8.56

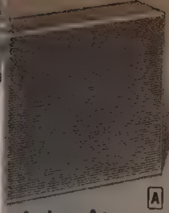
LOW-COST LINE-TO-VOICE-COIL TRANSFORMERS

57 D 820 and 57 D 821 are 70.7 v.; 57 D 822 and 57 D 823 are 25 v. Secondary impedances 4, 8, 16 ohms. Shpg. wt., 1 lb.

Stock No.	Watt Taps	Core Size	1-11, EA.	12-UP, EA.
57 D 820	5, 2.5, 1.25, .62, .31	½x⅝″	1.59	1.45
57 D 821	10, 5, 2.5, 1.25, .62	⅝x⅝″	1.69	1.57
57 D 822	5, 2.5, 1.25, .62, .31	⅝x⅝″	1.59	1.47
57 D 823	10, 5, 2.5, 1.25, .62	⅞x⅞″	2.24	2.05

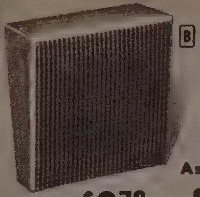
Baffles and Speaker-Baffles

Argos

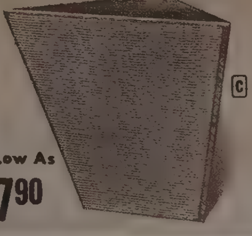


As Low As $5.56

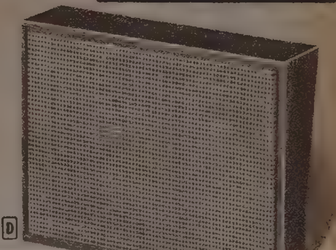
Allied Has Baffles
 Suit "Any" Need



As Low As $2.78



As Low As $7.90



] New "Professional" Wall-Mounted Baffle

VB-8C. For 8″ speaker. New rectangular shape and trim sculptured k. Ideal where extra air volume and larger appearance are eded. Designed to give almost twice the internal space volume for better tone. Includes "Speedy Mounting" clips for easy hanging. od-grained vinyl-covered with plastic grille. In walnut or blonde ecify choice. 16½x14x6¼″. 9 lbs.

DX 882. 6-Up.........Each **5.56** 1-5.........Each **5.88**

B Deluxe Wall-Mounting Wood Baffles

ok elegant anywhere. Crafted of genuine birch with durable, sy-to-clean cane grille. All hardware and mounting clips included. Available in walnut or blonde—**specify choice.**

tock No.	Model	Size	For	Lbs.	1-5, EA.	6-Up, EA.
DX 523C	DWB-8A	10½x9¾x6½″	8″	3	5.88	5.60
DX 524C	DWB-12A	14x13⅝x9⅛″	12″	5	8.23	7.80

B Low-Cost Wall-Mounting Baffles

ood, vinyl-covered baffles with cane grilles. New sculptured look. rdware included. In walnut or blonde—**specify choice.**

tock No.	Model	Size	For	Lbs.	1-5, EA.	6-Up, EA.
D 590C	WB-4/5D	6⅛x6¼x4″	4-5″	1½	2.94	2.78
D 592C	WB-6D	8½x7⅞x5″	6″	2	3.58	3.38
D 591C	WB-8D	10½x9¾x6½″	8″	3	4.26	4.03
DX 526C	WB-12D	14x13⅝x9″	12″	5	5.88	5.56

C Slanting-Front Corner-Mounting Baffles

lip-In" front goes on or off in seconds. Entire cabinet mounts sily on wall with "Speedy Mounting" clips. Screw terminals. coustic padding. Bass-reflex design enhances "lows". Wood-ained vinyl-covering. Cane grille. Walnut or blonde—**specify.**

Stock No.	Model	Size	For	Lbs.	1-5, EA.	6-Up, EA.
DX 510C	SCB-8D	15x17¾x9″	8″	6	8.33	7.90
DX 511C	SCB-12D	20x20¾x10½″	12″	8	11.71	11.08

New "Thinline" Baffles With JENSEN SPEAKERS

As Low As $6.93

- ✓ Extra-Thin, with no Sacrifice in Performance
- ✓ "Speedy Mounting" Clips Install Quickly, Hold Fast
- ✓ Wood-grained Easy-Clean Vinyl Covering
- ✓ Models with L-pad and Transformer are Factory Wired

D Modern-looking, space-saving baffles—complete with powerful, heavy-duty ceramic-magnet speakers. Thin and wide with a sculptured appearance. Wood-grained vinyl covering makes cleaning easy, provides lasting beauty, gives greater cabinet strength. Can be painted to match decor.

Speakers have convenient screw terminals. (Optional L-pad, or L-pad and 70.7-volt transformer are installed and wired.) "Speedy Mounting" clips for fast, sure set-up. Series 208 have 8″ speaker, 15-watt rating, 6-oz. ceramic magnet. Series 212 have 12″ speaker, 18-watt rating, 10-oz. ceramic magnet. Model 108 has 8″ speaker, 6-watt rating, 1-oz. Alnico V magnet—ideal for background music, or any use where high sound level is not required.

Cane grille. 8-ohm impedance. Letter "L" with model number indicates L-pad; "T" indicates 70.7-volt transformer. Choice of walnut or blonde finish—**specify.**

Stock No.	Model No.	Baffle Size	Wt., Lbs.	EACH	
				1-5	6-Up
57 DX 883C	WB-108CS	9½x12x4¼″	4	7.30	6.93
57 DX 884C	WB-208CS	9½x12x4¼″	5	10.54	9.98
57 DX 885C	WB-208CSL	9½x12x4¼″	5	12.59	11.97
57 DX 886C	WB-208CSLT	9½x12x4¼″	5	14.99	14.24
57 DX 887C	WB-212CS	13¾x16x6¼″	8	15.09	14.32
57 DX 888C	WB-212CSL	13¾x16x6¼″	8	17.25	16.39
57 DX 889C	WB-212CSLT	13¾x16x6¼″	9	19.65	18.67

Baffles, Speaker-Baffle Combinations, Protective Enclosures

soundolier

] **61-8 TRIM RING BAFFLE.** Flush mounting. Simulated stainless-steel finish; 20-auge steel. Requires 8½″ hole. Accepts 8″ eaker. 12¾″ dia. Use 95-8 enclosure ower right). 1 lb.
7 DX 548. 5-Up Ea. **2.59** 1-4 Ea. **2.95**

61-8 8″ SPEAKER-BAFFLE. (Not illus.) bove baffle, 8″ speaker, 70-v. transformer ith 0.5/1/2-watt taps. 3 lbs.
7 DX 500. 5-Up Ea. **8.56** 1-4 Ea. **9.94**

] **67-8 LOUVERED BAFFLE.** Flush mounting—recessed louvers. Aluminum finh. Welded construction. Requires 10¼″ ole. Takes 8″ speaker. Diameter, 12″. Use 5-8 enclosure (lower right). 1 lb.
7 DX 546. 5-Up Ea. **3.98** 1-4 Ea. **4.53**

] **68-8 LOW-CEILING BAFFLE.** Satin-brushed-aluminum finish. For maximum ound dispersion. Requires 8½″ hole. akes 8″ speaker. 12¾″ diameter. Use 95-8 nclosure (right). 2 lbs.
7 DX 547. 5-Up Ea. **6.07** 1-4 Ea. **6.93**

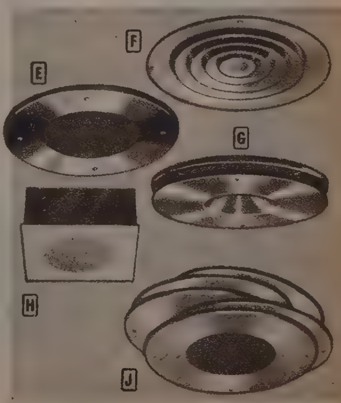
H **169-8 TRIM SQUARE BAFFLE.** (Illus. with 193-8 enclosure.) 24-ga. steel; white. Requires 9⅝″ hole. Takes 8″ speaker. 10½″ square. Wt., 1¼ lbs.
57 DX 554. 5-Up Ea. **2.08** 1-4 Ea. **2.37**

H **193-8 ENCLOSURE.** (Illus. with 169-8 baffle.) Welded 20-ga. steel. Undercoated. 3¾x9⅝″ sq. 3¼ lbs.
57 DX 555. 5-Up Ea. **3.47** 1-4 Ea. **3.96**

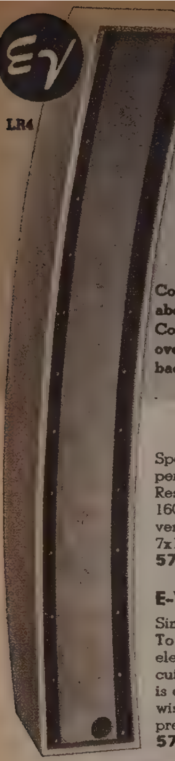
J **51-8 TRIM-RING BAFFLES.** White; 24-ga. steel. May be painted. Flush mounting. Require 8½″ hole. Take 8″ speaker. Use 95-8 (below). 12¾″ dia. 1 lb.
57 DX 502.......Package of 5 for **7.95**

B51-8 8″ SPEAKER-BAFFLE. (Not illus.) 51-8 baffle, 8″ speaker, 70-v. transformer with 0.5/1/2-watt taps. 3 lbs.
57 DX 522. 5-Up Ea. **8.05** 1-4 Ea. **9.18**

95-8 ROUND ENCLOSURE. (Not illus.) 20-ga. steel. Undercoat; jute lined . . . reduces resonance. 4¼x9⅞″ dia. 7 lbs.
57 DX 550. 5-Up Ea. **4.26** 1-4 Ea. **4.86**

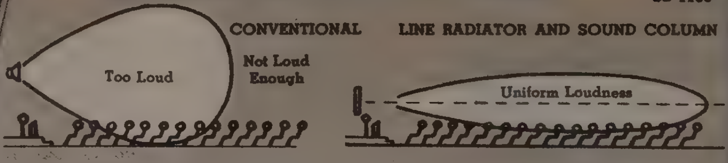


Public-Address Speakers



LR4

LINE RADIATORS AND SOUND COLUMNS



Consisting of several speakers arranged one above another in a special enclosure, the Sound Column or Line Radiator offers uniform loudness over a wide horizontal pattern. The people in back can relax and hear as well as those in front.

Annoying feedback and reverberation effects are greatly reduced. Installation is simple—complicated planning and installation fees are eliminated. Provide better audio coverage—in most installations—at lower cost.

E-V LR4 Curved Line

Special design restricts high-frequency dispersion to greatly simplify control of feedback. Response, 200-15,000 cps. Dispersion: horizontal, 160°; vertical, 60°. 25-watt cap. 8 ohms. Universal mtg. brackets. Tan wood enclosure. 49x7x13". 30 lbs. Express.

57 DZ 036. *$5 Monthly*............**73.50**

E-V LR4S Weatherproof Straight Line

Similar to LR4 at left, but straight-line design. To restrict high-frequency dispersion angle, electrical filter removes end speakers from circuit as frequencies increase. Vertical dispersion is only 30°. All metal; neutral tan finish. Otherwise, same as LR4. 52x7½x4⅝". 32 lbs. Express.

57 DZ 037. *$5 Monthly*............**82.32**

SD-1060;
SD-1100

Argos SD-1060

Excellent low-cost unit. Response, 200-10,000 cps. Dispersion: horizontal, 120°; vertical, 30°. 30-watt capacity. 16 ohms. Walnut vinyl covering. With wall mtg. clips. 30¼x7x3⅛". Shpg. wt., 14 lbs.

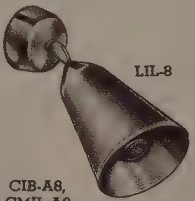
57 DX 877. *$5 Monthly*............**39.10**

New Argos SD-1100

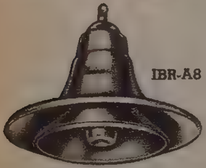
Efficiently covers rooms up to 200 feet long. Easily adjusted for shorter rooms. Features a built-in scale calibrated in feet, plus a "focusing" control for simple installation. Dispersion: horizontal, 120°; vertical, 15° (50-watt capacity) or 22° (40-watt capacity). 16 ohms. Walnut vinyl covering. 49¼x7x6" deep at top; 4½" deep at bottom. 26½ lbs.

57 DU 890. *$5 Monthly*.........**63.65**

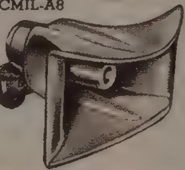
IB-A8,
MIL-A8



LIL-8



IBR-A8



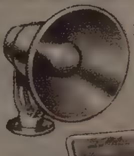
CIB-A8,
CMIL-A8

University Paging/Talk-Back Speakers

Operate as sensitive microphones as well as paging speakers. Very economical to use where talk-back communication is required. People in remote areas can "talk back" without bothering to operate a switch. All are weatherproof. Aluminum diaphragms are very efficient—give more volume per watt than cone-type speakers. **IB-A8**, one of the most widely used medium-power speakers. **CIB-A8**, for wide area coverage where ambient noise level is not high. **MIL-A8**, for low-power systems. **CMIL-A8**, for wide-area coverage in low-power systems. **IBR-A8**, for 360° dispersion in areas where wide coverage is necessary but with a minimum of speakers. **LIL-8**, a decorative pager designed with the appearance of a handsome wall lamp. All have 8-ohm impedance. All speakers are shipped complete with mounting hardware. *Height, width, depth. †Swivel mounting; also fasten to ½" pipe without additional fixture. Av. shpg. wt., 5 lbs.

Stock No.	Mfr's Type	Frequency Response	Watts	Dispersion	Dia.	Length	EACH
57 DX 504	IB-A8	250-13,000	25	90°	10¼	†9"	20.29
57 DX 515	CIB-A8	250-13,000	25	120x60°	......	†*7⅜x14x12"	27.05
57 D 569	MIL-A8	350-13,000	7½	120°	6⅜	†7"	16.67
57 D 572	CMIL-A8	350-13,000	7½	120x60°	.....	†*6⁷⁄₃₂x9½x8⁷⁄₁₆"	19.25
57 DX 516	IBR-A8	300-10,000	25	360°	13	10¼"	28.71
57 DX 818	LIL-8	300-10,000	15	110°	6⅞	15¾"	24.45

PA-30



PA-7

847

848

Electro-Voice Projectors and Paging Speakers

Virtually indestructible. Fiber-polyester horns won't dent, finish can't wear off, never need painting. Absolutely weatherproof. Models 847 and 848 can even operate under water. **847** and **848** both feature Compound Diffraction Principle (CDP) for higher articulation without resorting to a "peaked" frequency response. Excellent for theaters, other P.A. uses where music must be reproduced with maximum fidelity. PA-7 and PA-30 are highly recommended for paging applications. All four speakers have 120° dispersion angle, and are equipped with universal swivel mounting bracket. PA-7 and PA-30 finished in Mesa Tan, others are battleship gray. (Colors are molded-in all the way through—if nicked or scratched, just sand the surface smooth.)

Stock No.	Mfr's Type	Frequency Response	Watts	Ohms	Size	Wt., Lbs.	EACH
57 DX 819	PA-7	400-13,000	7½	16	6¾x6"	3¼	16.67
57 D 600	PA-30	250-14,000	30	8	11x6½x8½"	8	20.70
57 DU 540	848 CDP	150-10,000	30	16	20½x10½x20"	15	48.51
57 DX 542	847 CDP	250-10,000	25	16	11¾x7¾x10⁷⁄₃₂"	10	29.99

Allied's Own Microphones

KNIGHT

Professional-Quality KN-4550 Cardioid Dynamic Mike

High Front-to-Back Ratio Lowers Noise Pickup

ght's best microphone. Cardioid pattern picks up sound from the front of e, rejects most sounds from rear . . . sharply reduces feedback. High directiv- plus "peak-free" response, make this a fine choice for P.A. and recording. o separately tuned chambers assure smooth 45-14,000 cps output at −55 db. -27 threading fits all std. stands. Satin-chrome case. On-off switch. 7¼x1⅞″ . Shipped wired for high-impedance, easily changed to low imp. With 18′ le, less connector. Shpg. wt., 2 lbs. Made in U.S.A.

S 132-G. *$5 Monthly* **34.50**

ow-Cost KN-4510 All-Directional Ceramic Mike with Stand

SPECIAL OFFER
Order KN-4510 with Stand and Save $1.00

all and lightweight, this microphone-and-stand combination is great for me recordings, paging, and lecturers. Can be hand held or used with std. or or desk stands. High-impedance output of −56 db. Response, 50-11,000 . Brushed-chrome case, gold-finished grille. 5⅛x1⁹⁄₁₆″. With swivel-mount e, 7′ cable and ¼″ phone plug. Shpg. wt., 4 lbs. Made in U.S.A.

S 137-G. Special Offer. *Save $1.00* . . . . **Mike and Stand 9.50**

S 135-G. Knight KN-4510 Mike Only. Shpg. wt., 2 lbs. **7.95**

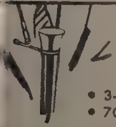
S 136-G. Swivel-Mount Desk Stand Only. Shpg. wt., 2 lbs. **2.55**

ersatile KN-4500 All-Directional Dynamic Mike with Stand

Includes Tip-Proof Desk Stand, 10′ Cable, Connector

ady to plug directly into 90% of all tape recorders in use. Includes matching sk stand, 10 ft. of cable, and both a screw-type connector and ¼″ phone plug apter already attached. All-directional pickup pattern and 60-12,000 cps sponse are "just right" for home recordings or P.A. coverage of a number of rformers. High-impedance output of −55 db. Dynamic element unaffected temperature and humidity extremes. ⅝″-27 threading fits any std. floor and. Nickel-chrome case, black base. 7½x1⁵⁄₁₆″. Shpg. wt., 3 lbs.

S 140-G. *$5 Monthly.* Made in U.S.A. **24.75**



New KN-4520 Dynamic Mike

- 3-Way Design
- High Z
- 70-12,000 cps Response

Use as lavalier with neck cord, hand-held, or on desk stand. All directional. −58 db. 5⅝x1⅝″. With cord and clip assembly (also serves as desk stand), 15′ cable, MC1M connector. 10 oz.

95 D 141-G. Made in U.S.A. **11.50**

Lowest-Cost Knight Crystal Mike

- Great for Recordings
- Popular with Hobbyists

Good quality at rock-bottom cost. Shock-mounted crystal element. 60-8500 cps response. Very high output of −45 db. Tough plastic case. 2¹¹⁄₁₆x2⁷⁄₁₆x1″. With 5′ cable; less plug. 1 lb.

95 S 133-G Made in U.S.A. . . **2.59**

ew KN-4505 Push-to-Talk Ceramic Mike

fine-quality, yet low-cost mobile mike r mobile CB'ers and Hams, and pag- g. Non-directional; high-impedance. -7000 cps. −54 db. Wired for relay peration. Black high-impact plastic se, 3½x2⁷⁄₁₆x2″. With hanger button, ash mtg. bracket, rubber-jacketed iled cord—11″ retracted, 5′ extended. ess connector. 1 lb.

5 D 175-G. Made in U.S.A. **5.98**

ew KN-4506 Noise-Cancelling Mike

quals performance of more expensive mous-name mikes! Rejects background oise for high speech-intelligibility. igh-imp.; −55 db. 60-7000 cps. Press- -talk switch controls mike, relay. 2½x ⁄₁₆x3⅝″. With 10″ (retracted) coiled able, less plug. 1 lb.

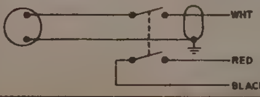
5 D 983-G. Made in U.S.A. **8.95**

KN-4515 Double-Switch Mike

NEW!

For all-types of communication work. All-directional; high-impedance crystal element. Double-switching action—operates by touch-bar to "talk" and/or by on-off lever-lock switch on side of base. Wired for relay operation. 60-8000 cps. −48 db. Blue hammertone. 7¾x3¾x5½″ deep base. With 7′ cable; less plug. 3 lbs. Made in U.S.A.

95 D 165-G **12.05**

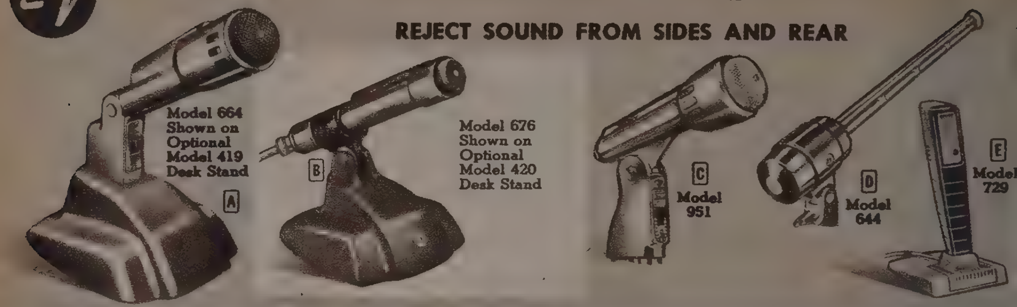


Rugged One-Piece Die-Cast Construction

Knight Microphones Are Available Only from Allied

Electro-Voice Cardioid Microphones

REJECT SOUND FROM SIDES AND REAR


Model 664 Shown on Optional Model 419 Desk Stand
A
B
Model 676 Shown on Optional Model 420 Desk Stand
C
Model 951
D
Model 644
E
Model 729

A Model 664 Cardioid Dynamic

A superb performer, this extra-rugged dynamic unit is E-V's best microphone for general-purpose public address applications. Provides natural reproduction of both voice and music.

Super-cardioid pickup pattern assures high discrimination against sound from sides and rear. Increases permissible working distance from mike, greatly reduces audio feedback. "Variable-D" construction provides uniform pattern at all frequencies. "Pop-proof" wire-mesh grille minimizes wind and breath blasts. Permits close-talking without boominess.

Response, 40 to 15,000 cps. Output, −58 db. Impedance, 150 ohms and high impedance, changeable by single wire. Has on-off switch on vertical swivel mount with standard ⅝"-27 thread. With detachable 18-ft. 2-conductor shielded cable. 7$\frac{3}{16}$x 1⅞". Shpg. wt., 2 lbs.
57 S 241. *$5 Monthly*.......... 49.98
57 S 209. Model 419 Desk Stand. For above. Gray finish. Shpg. wt., 3 lbs... **5.88**

B Model 676 Cardioid Dynamic

Cuts large-room rumble and reverberation. "Continuously Variable D". Switch selects flat response for small rooms or for recording, or low-frequency attenuation of 5 or 10 db at 100 cps for large rooms. Uniform cardioid pattern at all frequencies lets you work farther away from mike. Response, 40 to 15,000 cps. Output, −58 db. Imp., 150 ohms and hi-Z. 18-ft., 3-cond. cable. Includes Model 300 stand adapter with standard ⅝"-27 thread. Size, 7⅜x1¼" dia. Shpg. wt., 3 lbs.
57 S 432. *$5 Monthly*.......... 58.80
57 S 196. Model 420 Stand. 3 lbs. **11.76**

C Model 951 Cardioid Crystal

Excellent for P.A. "Variable-D" principle for uniform cardioid pattern at all frequencies and high discrimination against sound from sides and rear. "Pop-proof" wire mesh grille. 50-11,000 cps. Hi-Z output, −60 db. Gray case, 18-ft. cable. ⅝"-27 thread. 5⅜x 1¾" dia. 1½ lbs.
57 S 218. *$5 Monthly*.......... 32.05

D 644 Dynamic "Sound Spot"

Directional mike that combines cardioid pattern and distributed-front opening to give greatly extended frontal pickup. Above 700 cps, sound rejection at sides and rear is 20 to 25 db! Reverberation and feedback are sharply reduced. Response: 40 to 10,000 cps. Hi-Z output level, −53 db. Impedance, 150 ohms and High-Z. On-off switch. 18-ft. 2-cond. cable. Die-cast satin-chrome case with ¾" aluminum tube. ⅝"-27 thread. 16x 2$\frac{5}{16}$" dia. 3 lbs.
57 S 121. *$5 Monthly*.......... 64.68

E Model 729SR Low-Cost Ceramic

Great for Hams, P.A. use, paging, home recording. Front pickup range is nearly double that of pressure mikes. Response, 60-8000 cps. Hi-Z output, −60 db. On-off switch also controls external relay. With 10-ft. cable, desk stand, floor stand adapter. 7⅞x1$\frac{7}{16}$". Wt., 1 lb.
57 S 181........................... 15.58
57 S 173. Model 729. Above, less switch. Shpg. wt., 1 lb...................... **14.41**

Light and Compact Lavalier Microphones

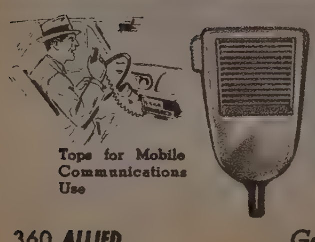
For Maximum Mobility

Come With Lavalier Neck Cord and Tie Clip

F **MODEL 624.** Tiny omnidirectional dynamic. "Pop-proof" wire mesh stops wind and breath blasts. Response, 100-7000 cps. Output, −56 db. Impedance, 150 ohms or Hi-Z. Satin chromium die-cast case measures 3$\frac{5}{32}$x1$\frac{7}{32}$" diameter. 18-ft. cable. With neck cord/tie clip. 8 oz.
57 S 100. *$5 Monthly*.......... 24.99
57 S 102. As above, low impedance. Not balanced to ground.............. **24.99**

H **MODEL 649B.** World's smallest dynamic lavalier—standard of the TV industry—weighs only 31 grams (less cable). Response is 60 to 12,000 cps. Output level, −61 db. Low impedance. 30-ft. cable. Acoustalloy diaphragm. Aluminum case is finished in non-reflecting gray. With lavalier cord and clip for tie or belt. Just 2¼x¾" diameter. Shpg. wt., 1 lb.
57 S 118. *$5 Monthly*.......... 61.74

G **MODEL 647A.** Small omnidirectional dynamic mike. May be hung on a neck cord clipped to jacket or shirt, or held in the hand. E-V exclusive Acoustalloy diaphragm withstands humidity and temperature extremes and mechanical shock. Frequency response meets the demands of lavalier operation—smooth and peak-free from 60 to 12,000 cps. "Pop-proof" wire-mesh grille minimizes wind and breath blasts. Weighs only 2 oz. (less cable). Output, −60 db. Impedance, balanced 150 ohms or hi-Z selected at free end of cable. Non-reflective gray aluminum case. With lavalier neck cord/tie clip. Size, only 3¾x¾" diameter. Shpg. wt., 1 lb.
57 S 264. *$5 Monthly*.. 48.51



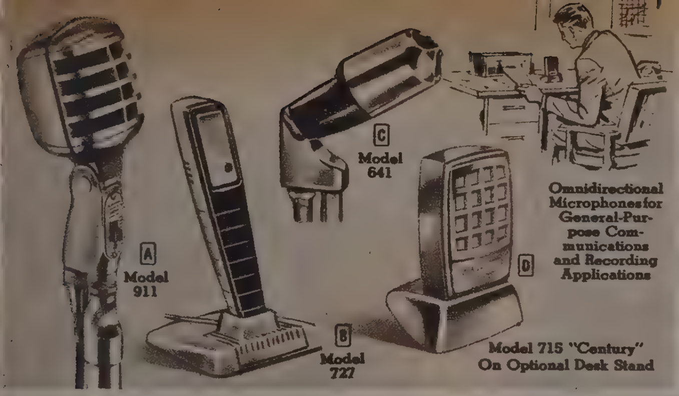
Tops for Mobile Communications Use

Model 717 Noise-Cancelling Communications Mike

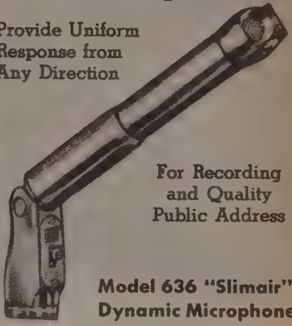
High output ceramic mike provides intelligible speech in situations where background noise is a problem. Ideal for mobile Ham and CB communications, as well as paging use. Press-to-talk DPDT switch controls mike and external relay. Response, 100-7000 cps. Hi-Z output, −55 db. Beige Cycolac case. With 10" (retracted) 3-conductor coiled cable, hang-up bracket. Size, 2½x 1$\frac{7}{16}$x3⅝". Shpg. wt., 1 lb.
57 S 433........................... 11.47
MODEL 714SR. Above, without noise cancelling feature. 1 lb.
57 S 167........................... **9.70**

Electro-Voice®

Omnidirectional Microphones


A
Model 911
B
Model 727
C
Model 641
D
Omnidirectional Microphones for General-Purpose Communications and Recording Applications
Model 715 "Century" On Optional Desk Stand

Provide Uniform Response from Any Direction



For Recording and Quality Public Address

A Model 911 Crystal Mike

High-impedance omnidirectional mike with crystal element for P.A. and home recording. Response, 50 to 10,000 cps. Output, −50 db. Swivel mount has on-off switch, ⅝"-27 thread. With 18-ft. shielded cable. 2⅜x3⅛x6¾". 2½ lbs.
57 S 242 .... 19.11

B Model 727 Ceramic Mike

High-impedance omnidirectional mike for Ham, CB, P.A., recording use. Ceramic element is humidity resistant. Response, 60 to 8000 cps. Output, −55 db. With 5-ft. cable, desk stand, and ⅝"-27 floor stand adapter. 7⅞x1½x1¼". 1 lb.
57 S 175 .... 10.58

57 S 257. Model 727SR. As above, with DPDT on-off switch that controls mike and external relay, 3-conductor cable . . **11.76**

C Model 641 Dynamic Mike

Omnidirectional mike for communications, P.A., recording. Response, 70 to 10,000 cps. Output, −57 db. On-off switch; die-cast case. ⅝"-27 thread. With 6-ft. cable. 4¾x1⅓" dia. 1 lb.
57 S 265. Low Impedance 20.58
57 S 451. High Impedance ... **20.58**

D Model 715 Ceramic "Century"

Low-cost high-impedance omnidirectional mike for recording and paging. Response, 60 to 7000 cps. Output, −55 db. ⅝"-27 thread. Less stand, below. 5-ft. cable. 3x2 3/16x1". 1 lb.
57 S 245 .... 7.64

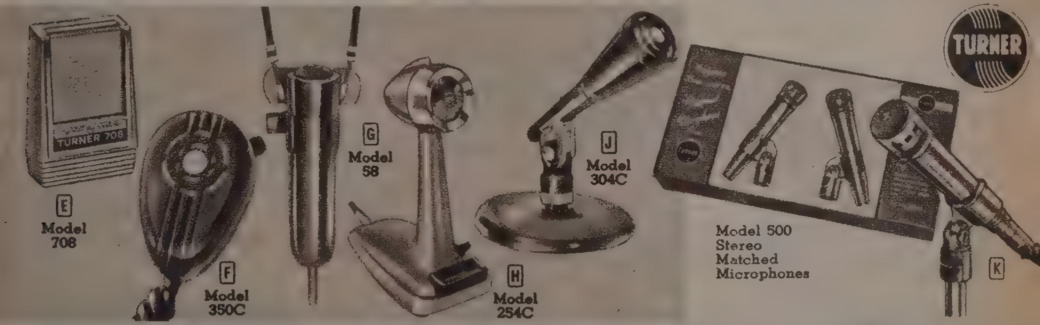
57 S 176. Model 715S. Above, with lockable press-to-talk switch. 1 lb....... **8.82**

57 S 194. Model 415 Chrome Desk Stand. 15° tilt. Shpg. wt., 6 oz. **1.03**

Model 636 "Slimair" Dynamic Microphone

Deluxe omnidirectional dynamic. 1⅛" in diameter. Easily concealed, yet provides output equal to mikes four times as large. 60 to 13,000 cps response. Output level, −58 db. Wire-mesh "pop-proof" filter eliminates wind and breath blasts. Impedance, 150 ohms and hi-Z (shipped wired for hi-Z). On-off switch on 90° vertical swivel base with standard ⅝"-27 thread. Satin-chrome steel case. 18-ft. 2-conductor shielded cable. 10¼x1⅛" dia. 2 lbs.
57 S 244. *$5 Monthly* 42.63

57 S 146. Model 418 Desk Stand. For E-V 636, 641, 911 and 951. 3 lbs. **5.88**



Selected General-Purpose Microphones by TURNER

E Model 708 Crystal Hand Mike

Small, attractive high-impedance omnidirectional microphone designed for home recording. Fits in hand or rests atop table. Response, 60 to 10,000 cps. Output level, −54 db. Chrome finish. With 6-ft. cable, phono plug, adapter. 1 lb.
57 S 293 .... 7.35

F 350C Ceramic Mobile Mike

Push-to-talk omnidirectional high-impedance mike for mobile communications use. Response, 80 to 7000 cps. Output level, −54 db. Coiled cord extends to 5'. Has hanger button and dash bracket. Relay wired. Plastic case, 3½x2 7/16x2". 1 lb.
57 S 155 .... 7.35

G 58 Dynamic Lavalier Mike

Allows freedom and mobility. Easily concealed, only 4" long—weighs 3½ oz. Response, 60 to 13,000 cps. Output, −60 db. Imp., 150 ohms and hi-Z. Omnidirectional. Gray finish. With lavalier assembly and 25-ft. cord. Shpg. wt., 1 lb.
57 S 294. *$5 Monthly* 33.52

H Model 254C Ceramic Desk Mike

For Amateur and CB base stations. Has both touch bar and lever-lock on-off switches. 80-7000 cps. Output, −54 db. High impedance. 7-ft. cable. Shpg. wt., 3 lbs.
57 S 165 .... 14.10

57 S 292. Model P254C. Above, but with push-to-talk button. 3 lbs............ **15.29**

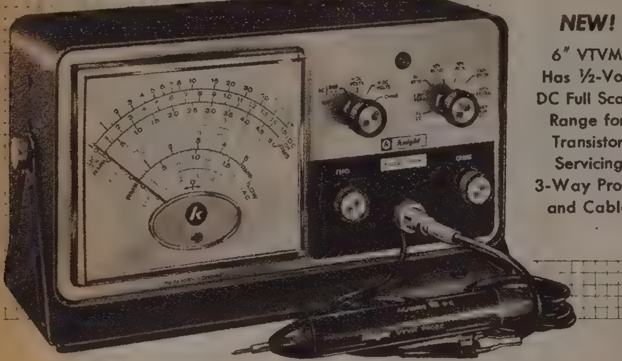
J Model 304C Ceramic Mike Kit

Omnidirectional mike with desk stand, lavalier assembly and floor stand adapter. 60-10,000 cps. Output, —60 db. 12-ft. cable, plug. 5½x1 11/16" dia. 3 lbs.
57 S 027 .... 9.70

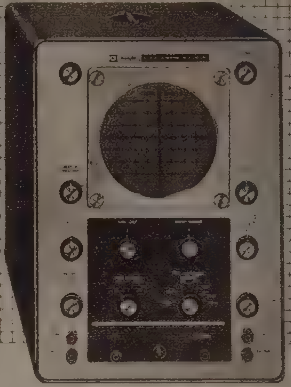
K Model 500 Matched Stereo Mikes

Cardioid dynamic mikes are matched to assure equal signal strength for best stereo recordings. Response, 40 to 15,000 cps. Output, −55 db. Impedance, 150 ohms or hi-Z. 90° swivel mount has ⅝"-27 thread. 6 13/16x 1 17/32" dia. 6 lbs.
57 S 028. Matched Pair 98.78
57 S 029. Single Mike. 3 lbs...... **49.39**
57 S 030. Desk Stand. 2 lbs........ **5.70**

knight® Factory Assembled Test Equipment . . .



NEW!
6″ VTVM
Has ½-Volt
DC Full Scale
Range for
Transistor
Servicing.
3-Way Probe
and Cable



Model KG-625 6″ Vacuum Tube Voltmeter

$\$51^{95}$ $5 monthly

- Pre-Aged Bridge Tube Has Matched Triode Sections
- 200 μamp Meter; Fluorescent Knife-Edge Pointer

New 6″ VTVM brings you more! Features: single, switchable AC Ohms/DC test probe making multiple measurements a snap; modern gimbal bracket for under shelf, wall or bench mounting; precision 1% film-type resistors for multipliers; 10 separate color correlated scales; 100° meter arc for larger scale area. Has zero-center scale for discriminator alignment; DC polarity reversing switch; pilot light; low leakage switches; power transformer for line isolation; externally accessible calibration controls. Black steel case. Charcoal gray and silver panel. 7¾x12x5½″. With battery, probe. For 110-130 v., 60 cycle AC. Shpg. wt., 12 lbs.

83 YX 563-G. *$5 Monthly*	51.95
83 YX 975-G. Above, in Kit Form. *$5 Monthly*	**34.95**
83 Y 130-G. High-Voltage Probe. To 25,000 volts. Wt., 1 lb.	**5.50**
83 Y 126-G. Above, in Kit Form	**4.50**
83 Y 131-G. Radio-Frequency Probe. To 250 megacycles. Wt., 1 lb.	**4.50**
83 Y 127-G. Above, in Kit Form	**3.50**

SPECIFICATIONS. DC Volts (±3%): 0-0.5-1.5-5-15-50-150-500-1500. **AC RMS Volts** (±5%): 0-1.5-5-15-50-150-500-1500; separately calibrated scales for 1.5 and 5 v. **AC P-P Volts** (±5%): 0-4.2-14-42-140-420-1400-4200; separately calibrated scales for 4.2 and 14 v. **Response:** ± 1 db, 30 cps to 3 mc; ± 3 db, 30 cps to 5 mc. **Ohms:** 0-1K-10K-100K; 0-1-10-100-1000 megs. **Center Scales:** 10-100-1K-10K-100K; 1 and 10 megs. **Meter Bridge:** pre-aged 12AU7A with matched triodes. **Full-Wave Rectifier:** 6AL5. **Power Supply:** transformer operated with silicon diode rectifier.

KG-630 5″ Wide Band Oscilloscope

$\$99^{95}$ $5 monthly

- Tops For Color TV
- Push-Pull Amplifiers

Highly recommended for color TV work and other high frequency uses. Locks in at frequencies up to 9 mc. Has: frequency compensated input attenuator; Z-axis input for intensity modulation; astigmatism control; deflection-plate coupling; negative and positive sync; blanking circuit; 1-volt P-P calibrator; camera studs and more. 14¼x10⅛x15½″. Black metal case; charcoal gray and silver panel. With leads, accessory probes, below. For 110-130 v., 60 cycle AC. Wt., 32 lbs.

83 YU 577-G. Was $109.95. *$5 Monthly*	99.95
83 YU 913-G. Above, in Kit Form. Was $74.95 in last big catalog. *$5 Monthly*	**69.95**
83 Y 150-G. Low-Cap Probe. ½ lb.	**4.75**
83 Y 147-G. Above, in Kit Form	**3.75**
83 Y 151-G. RF Demodulator Probe. ½ lb.	**4.75**
83 Y 148-G. Above, in Kit Form	**3.75**

SPECIFICATIONS. Vertical Sensitivity: 20 mv (rms) per inch. **Response:** ± 3 db, 5 cps to 5 mc; 1 db down at 3.58 mc color burst freq. **Horizontal Sensitivity:** 600 mv (rms) per inch. **Response:** down 3 db at 600 kc; down 4 db at 1 mc.

Model KG-620 4½″ VTVM

$\$39^{95}$ $5 monthly

KG 620 4½″ VTVM. Performance proven for use on service bench, industrial production line, and home hobby corner. Has: 1% precision resistors for high accuracy; 11-megohm input impedance to minimize loading; direct reading db scale; zero-center scale for discriminator alignment; single zero adjust control for all ranges and functions. 7⅝x5⅜x4¼″. Black steel case, charcoal gray and silver panel. Battery and 3 leads. Accessory probes, above. For 110-130 v., 60 cycle AC. Wt., 7 lbs.

83 Y 576-G. *$5 Monthly*	39.95
83 Y 911-G. Above, in Kit Form. *$5 Monthly*	**24.95**

SPECIFICATIONS. DC Volts (±3%): **AC RMS Volts** (±5%): 0-1.5-5-15-50-150-500-1500. **AC P-P Volts** (±5%). 0-4.2-14-42-140-420-1400-4200. **Decibels:** −10 to +65 in 7 ranges. **Response:** ±1 db, 30 cps to 3 mc; ±3 db, 30 cps to 5 mc. **Ohms:** 0-1K-10K-100K; 0-1-10-100-1000 megs. **Center Scales:** 10-100-1K-10K-100K; 1 and 10 megs. **Meter Bridge:** 12AU7A. **Full-Wave Rectifier:** 6AL5. **Power Supply:** transformer, selenium rectifier.

KG 660 BATTERY ELIMINATOR. Ready, reliable source of 6 and 12-volt DC power. Output continuously variable from 0 to 15 volts and well filtered for transistor, hybrid and vacuum tube work. High current capacity permits overnight charging of 6 and 12 volt storage batteries. Ideal for CB, Ham, marine, aviation, and all types of mobile equipment. 9x12x5″. Black metal case, charcoal gray and silver front panel. For 110-130 v., 60 cycle AC. Shpg. wt., 14 lbs.

83 YX 573-G. *$5 Monthly*	44.95
83 YX 912-G. Above, in Kit Form. *$5 Monthly*	**35.95**

Model KG-660 Battery Eliminator

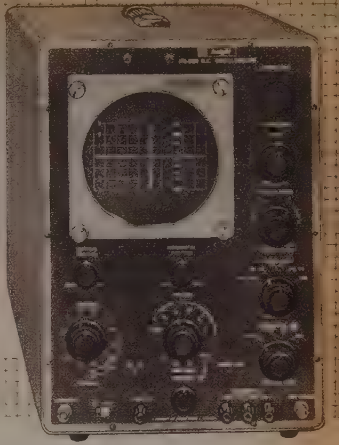
$\$44^{95}$ $5 monthly

SPECIFICATIONS. Continuous Ratings: 15 amps at 6 volts; 7½ amps at 12 volts. **Intermittent:** 20 amps at 6 volts; 10 amps at 12 volts. **Variable Voltage Range:** 0 to 8, 0 to 15 volts. **Protection:** primary 4 amp slo-blo fuse; secondary 20 amp auto. thermal cutout.

See Knight-Kit Section, Pages 24-38 For Full Descriptions

Exclusive at Allied Radio

•
SKILLFULLY ENGINEERED
•
HIGHEST ACCURACY
•
PERFORMANCE PROVEN
•
ECONOMICAL



Model KG-600B Portable Tube Tester

$53.95 **$5 monthly** **Reliably Checks Over 2300 Tube Types for Cathode Emission, Continuity, Shorts, Opens, Gas**

Our best emission-type tube tester. Checks all the latest tubes including: nuvistors; compactrons; novars; 4, 5, 6, and 7-pin large tubes; 7, 9, and 10-pin miniature tubes; octals, loctals, and pilot lamps. Designed with future tube types in mind—universal selector switches permit setting up for new tubes as they become available. Neon indicator shows continuity, leakage, and shorts. 4½" 3-color GOOD-?-REPLACE scale shows tube condition; has 0-100 scale for matching tubes. Includes 16 filament voltages from 0.63 to 117 volts. Line adjust compensates for variations in line voltage. Illuminated roll chart. Gray fabrikoid-covered wood case, size 6½x14½x10½". For 110-130 volts 60 cycle AC. 17 lbs.
83 YX 578-G. *$5 Monthly*.......................... 53.95
83 YX 920-G. **Above, in Kit Form.** *$5 Monthly*.......... **39.95**

Model KG-600B Bench/Counter Tube Tester

Same as above model, except housed in sturdy steel case; black finish. Has no cover. 5¼x14⅛x10⅛". 19 lbs.
83 YX 579-G. *$5 Monthly*.......................... 49.95
83 YX 951-G. **Above, in Kit Form.** *$5 Monthly*.......... **35.95**

KG-670 Resistor-Capacitor Checker

• Tests Capacitors at Rated Voltage • Measures Resistance to 5 Megs
• Direct Readings—No Calculations • Indicates Power-Factor Directly

Saves work—trims time from hundreds of servicing and testing jobs. Measures resistance and capacity by the accurate bridge method. Checks for opens and shorts in capacitors, indicates power factor of electrolytics. Easy-to-read dial and magic-eye null indicator show resistance and capacity values at a glance. Resistance ranges: 100 to 50K, and 10K to 5 megs. Capacity ranges (in mfd): .00001 to .005; .001 to 0.5; 0.1 to 50; 20 to 1000. Leakage test volts DC: 50, 150, 250, 350, 450. Accuracy, ±10%. Transformer-operated half-wave rectifier power supply. Charcoal-gray and silver front panel. 7¼x10⅛x5¼". For 110-130 v. 60 cycle AC. Wt., 10 lbs.
83 Y 580-G. Was $29.95. *$5 Monthly*.................. 26.95
83 Y 901-G. **Above, in Kit Form.** *$5 Monthly*.......... **21.95**

Model KG-650 RF Signal Generator

• Up to 224 mc on Harmonics • External Modulation Provision
• Precision-Wound Coils and Colpitts Oscillator

Moderate cost and dependability. Features wide fundamental output divided into 5 bands. Has Colpitts oscillator. No calibration is required. Three outputs: modulated; unmodulated; and 400-cps at 10 volts. RF output. 0.4 volts, or more. Cathode-follower outputs. Step and continuous-type attenuators. Transformer-operated power supply. Fundamentals: Band A, 160-550 kc; Band B, 550-1850 kc; Band C, 1850 kc to 7 mc; Band D, 7-27 mc; Band E, 27-112 mc. Black case; charcoal-gray and silver front panel. 7¼x10⅛x5¼". For 110-130 v., 60 cycle AC. 9 lbs.
83 Y 574-G. *$5 Monthly*.......................... 32.95
83 Y 953-G. **Above, in Kit Form.** *$5 Monthly*.......... **22.95**

KG-2000 DC to 5-MC Lab Scope

$295.00 **$15 monthly** **• Sensitivity up to .005 v. P-P/cm • DC Coupled • 85 Nsec. Rise Time**

Precision, reliability, and finest engineering at an economy price. DC to 5-mc response permits display of pulses of fast rise time. Trigger and amplifier circuits are DC-coupled for applications where very low frequencies or DC levels must be displayed. Triggered sweep speed is adjustable from 200 nsec/cm down to .05 sec/cm. A signal as small as ½ cm on the 5" CRT face permits triggering. Has stable voltage-regulated power supply and frequency-compensated attenuators. Present lock-in of signal eliminates need to synchronize the sweep with input signals of various amplitudes or frequencies. Preset signal lock-in may be disabled; a separate control permits locking in any portion of signal.
Other features: horizontal amplifier input; illuminated graticule; adjustments for intensity, focus, astigmatism, and positioning; vertical position indicators; X5 expand with switch control; binding post to connect external capacitor for slower sweep speeds; camera mounting-studs; BNC-type connectors; sweep accuracy within 3%. Gray with red and white markings. For 110-130 v., 50-60 cycle AC. Wt., 35 lbs.
83 YZ 575-G. *$15 Monthly*.......................... 295.00
83 YU 910-G. **Above, in Kit Form.** *$10 Monthly*.......... **199.50**
83 Y 949-G. **Factory Assembled Low-Capacity Probe.** 1 lb. **20.00**

Great for Shop, Lab, Classroom

Uses Proven Bridge Method Measurement

With Leads

$26.95

$5 monthly

Covers Wide Range— 160 KC to 112 mc on Fundamentals

With Leads

$32.95

$5 monthly

See Knight-Kit Section, Pages 24-38 for Specs on Above Units

B&K
$74.95
$5 monthly
445
For Black and White, Color

600 Low-Cost Tester

Includes Grid Emission Check $74.95 $5 monthly

700 Dynamic Mutual Conductance Tester

$9 monthly $179.95

445 CRT Tester-Rejuvenator

Deluxe all-in-one unit gives new, useful life to weak or inoperative picture tubes. Checks and repairs color or black-and-white CRT while still in set—pays for itself by the time it saves. Checks for leakage, shorts, "opens," and emission. Corrects shorts and leakage. Repairs open circuits and low emission. Restores emission and brightness. Life-test checks gas content and predicts remaining useful life of picture tube. Grid cut-off reading indicates picture quality you can expect. Tests and rejuvenates all picture tubes at correct filament voltage from 1 to 12 volts.

Handles all Hi G_2 and Lo G_2 tubes including tubes that require a G_2 voltage as low as 30 volts. Supplies Hi G_2, Lo-1 G_2 and Lo-2 G_2 voltages. Tests and rejuvenates 110° tubes, 19″ and 23″ types, and color tubes including the new 90° 23″ 23BG22.

Checks and corrects each gun of color tube separately. Has 4½″ plastic meter. Neon bulb indicators. In leatherette-covered case. 14x8x4¾″. For 105-125 volts, 50-60 cycle AC. 11 lbs.

94 AX 163. *$5 Monthly*......... 74.95

600 "Dyna-Quik" Tube Tester

A low-cost, high-quality emission type tube tester. Extremely compact and lightweight—especially suitable for outside calls. Ideal for industrial applications; fast, accurate, and easy to use. Checks the latest, as well as commonly used TV and radio tubes, plus nuvistors, 10-pin tubes, 12-pin compactrons, voltage regulators, thyratrons, auto radio hybrid tubes, European hi-fi types, and most industrial tubes. Determines tube capabilities under simulated load conditions.

Four switches set tester for any tube type. Results are indicated on large 4½″ Replace-?-Good scale. Picks out the tough ones—the tubes with leakages that cause trouble in critical circuits.

Rejects only tubes that are definitely bad. Checks each section of multi-section tubes separately. Adjustable grid emission test, sensitive to over 100 megohms. Tests for shorts, leakage, gas. Phosphor-bronze contacts. In leatherette-covered case. 8½x11x4½. For 105-125 v., 50-60 cycle AC. Shpg. wt. 5¾ lbs.

94 AX 164. *$5 Monthly*......... 74.95

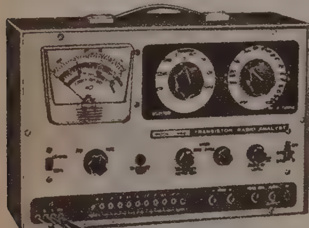
700 "Dyna-Quik" Tube Tester

A professional dynamic mutual conductance tube tester for today and tomorrow. Features multiple-socket section—just plug tube in proper socket and check—plus simplified switching section for checking new tube types. In addition to testing radio and TV types, unit checks voltage regulators, thyratrons, and radio hybrid types. European hi-fi tubes, and industrial types.

Exclusive adjustable grid-emission test provides exceptional sensitivity to over 100 megohms. Phosphor-bronze socket contacts for long life. Includes sockets for nuvistors, 10-pin tubes and 12-pin compactrons. Has provision for new sockets. Checks each section of multi-section tubes separately. Tests for all shorts, grid emission, leakage and gas. Grid emission test is adjustable, with sensitivity to over 100 megohms.

Makes quick "life" test. Large 4½″ plastic meter has easy-to-read "Replace-Good" scale. In leatherette-covered case, 16⅛x15¾x5⅞″. For 105-125 volts, 50-60 cycle AC. 16 lbs.

94 AX 165. *$9 Monthly*....... 179.95



960 All-in-One Transistor Radio Analyst

Includes everything necessary for trouble-shooting transistor radios. Signal generator, power supply, milliammeter, VTVM, battery tester, ohmmeter, in-and-out-of-circuit transistor tester—all in this one unit! Injects RF, IF signals, and audio directly into all circuits stage-by-stage to isolate and pinpoint exact trouble within minutes. Unique "Dyna-Trace" single-point probe needs only one contact to transistor, speeding in-circuit testing. Meter has "Good-Bad" scale for leakage and beta. Also determines whether transistor is NPN or PNP. 1-12 v. power supply, in 1½-v. steps; has meter with 2 current ranges, 150 and 15 ma. Generator tunes from 250 kc to 2 mc in 2 bands. 2-range VTVM, 1.5 and 15 v. Ohmmeter reads to 1 meg, tests front-to-back ratio of diodes. Japanese-to-American transistor cross-reference chart. 12⅛x7¾x4⅞″. For 110-120 v., 50-60 cycle AC. Wt., 8 lbs.

94 AX 166. *$5 Monthly*.. 99.95

Easy-to-Read Scale Switching VTVM and VOM

Quick, direct, error-free readings—no multiplying involved! Just set the range switch and correct scale appears automatically. Individual, full-size scale for each range. Only one scale visible at any one time. Once you set range switch, you see only the scale and range you want, and read the answer directly. Saves time, eliminates errors.

MODEL 375 DYNAMATIC VTVM. Shows only the single scale corresponding to the setting of the range switch! Deluxe VTVM has highly sensitive 100-micro-ampere movement. Mirrored scale and easy-to-see iridescent knife-edge pointer totally eliminate parallax so that all readings are precise. Measures DC current in addition to volts and ohms. Multiplier resistors are accurate within 1% of rated resistance. Input resistance is 11 megohms on all DC ranges. Ranges: DC-AC rms and AC peak-to-peak volts, 0-1.5-5-15-50-150-500-1500. DC ma, 0-5-50-500; resistance: 0-500-5000-50K-500K; 0-5-50-1000 megs: Accuracy, ±3% of full scale AC and DC. In sturdy metal case with combination swivel stand and handle. Includes battery and DC-AC ohms probe. Size, 6¾x10¾x4″. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 9 lbs.

94 AX 167. *$5 Monthly*.. 89.95

MODEL 360 "V-O-MATIC" VOM. Displays only one scale corresponding to setting of the range switch PLUS 18 extra overlay scales for audio watts, db's, p-p volts and capacitance! Mirrored scale with knife-edge pointer for parallax-free readings. Burn-outproof meter movement. Sensitivity: 20,000 ohms/volt DC; 5000 ohms/volt AC. Ranges: AC and DC volts, 0-3-15-60-300-1000-6000; DC μa, 0-100; DC ma, 0-5-100-500; DC amps, 0-10; resistance: 0-1000-10K; 0-1-100 megs. AF (output), 0-3-15-60-300 v. Response, 5-500,000 cps. Accuracies: 3% DC; 5% AC. Has ohms adjust control that automatically shorts out test leads for zero set. Polarity reversing switch. Includes stand batteries, leads. 6¼x8⅜x4¼″. 4½ lbs.

94 AX 168. *$5 Monthly*.. 59.95

TV ANALYSTS FOR COLOR AND BLACK-AND-WHITE

Double your effective manpower! Point-to-point signal injection quickly pinpoints problem. You inject the signal—see the trouble directly on the TV screen. Complete signal control RF and IF—with video and audio modulation; video; audio—FM modulated 4.5-mc sound channel; sync—composite synchronizing signals adjustable in amplitude up to 50 volts; sweep circuit driving pulses—separate vertical and horizontal plate and grid driving signals to check complete output circuit and interrelated components. All these signals save valuable time—locates intermittents—difficulty is quickly isolated in exact stage.

Sensitive transformer test for V. O., H. O. transformers and yokes. Checks for shorted turns, leakage, opens, short-circuits, and continuity; detects defective windings. "Go-No-Go" high-voltage indicator lights reveal hard-to-find troubles in horizontal output transformer or high-voltage network. Both analysts generate patterns, burst, and crystal-controlled color signals adjustable in level. Switch-type tuner for fast, accurate channel selection. Bias supply—both positive and negative bias for sync, AGC and AFC troubles. High-level test signal—for modulating TV picture tubes directly.

Deluxe Model 1076

Supplies RF and IF signals with "Flying Spot Scanner" test pattern video and audio tone modulation. Checks bandwidth, resolution, shading, etc. 400-cps generator. May be modulated from external source. Generates white dot, crosshatch, color-bar patterns, and rainbow display for convergence adjustments, sync, hue control, and demodulator alignment. AGC keying pulse. With test pattern, dot, crosshatch, color bar, and blank slide transparencies. 10¼x17x10". For 110-120 v., 60 cycle AC. 29 lbs.
94 AU 169. *$16 Monthly*........................329.95

Standard Model 1074

Supplies RF and IF signals with any of four video patterns and tone audio modulation. Provides dot and crosshatch patterns, plus vertical and horizontal lines, and individual colors. Produces green, blue, blue-yellow, red-yellow, and red—one at a time by precision delay line. Audio carrier is modulated by 900-cps audio generator. Standard NTSC-type signal. Sweep jack offers 15,750-cycle signal for easy demodulator alignment. Size, 11x14½x7". For 110-120 v., 50-60 cycle AC. 6 lbs.
94 AU 170. *$13 Monthly*........................249.95

B&K

Model 1076

$329.95

$16 monthly

- **Generates Standard Test Pattern Right on the Screen of the TV Under Test**
- **Will Earn Back Its Cost in Service Time Saved Over a Short Period**

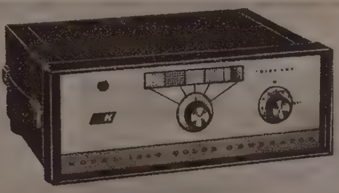
Model 1074

$249.95

$13 monthly

- **Provides Every Type of Signal Found in Color and Black-and-White TV Sets**
- **Saves Time and Money by Rapid Isolation of the Trouble in the Exact Stage**

$44.95 **$5 monthly** **Model 230**



$134.95 **$7 monthly** **New Model 1240**

MODEL 1260 COLOR ANALYST

$189.95 **$10 monthly** **New Model 1260**

230 Substitution Master

No need to waste time looking for a component to substitute in a circuit or for soldering the substitute in. Handy clip leads enable you to substitute for practically any resistor, capacitor or rectifier in seconds. Especially useful when you can't determine the value of the suspected component—just switch the substitution Master through the range of possible values. Substitutes known value for questionable component. Each section isolated. Damage to box and heating of capacitor under test are prevented by surge protector. 24 carbon resistors; twelve 1-watt, 10 to 5600 ohms; twelve ½-watt, 10 k to 5.6 megs. 20 wire-wound power resistors: 20 watts, 2.5 to 15 k. 10 capacitors: 600 volts, 100 mmf to .5 mfd. Universal rectifiers: selenium, .5 amp, 800 PIV; silicon, 5 amps, 800 PIV. 20 combination electrolytics, 450 WVDC. With 4 test leads. 8½x6¼x3½". 2¾ lbs.
94 A 171. *$5 Monthly*..........44.95

New 1240 Color Generator

Light, portable color generator especially designed for quick, easy convergence and color adjustment of TV sets in the home. Connects directly to antenna terminals—no need to remove the cabinet. Over 5000 mw RF output on channels 3, 4 or 5. Provides all this: crystal-controlled keyed rainbow color display, dot pattern, crosshatch, horizontal and vertical lines. Small-step crystal controlled count circuit gives greater reliability and stability of color, dots and lines. Horizontal lines are just one scanning line thick, beginning and ending off-screen with no breaks. Dots are smallest visible, with adjustable brightness for sharp focus and excellent definition. Includes chroma level control for color sync trouble shooting. Power transformer provides line isolation to prevent shock hazards. With RF cable. For operation from 105-125 v. AC. Size, 4½x12x10". Shpg. wt. 12 lbs.
94 AU 172. *$7 Monthly*.......134.95

New 1260 Color Analyst

Designed with unique features for rapid color convergence and adjustment in shop or home. Provides color, dot, crosshatch, horizontal and vertical line patterns, all with crystal-controlled small-step count circuit for highest reliability and stability. Individual switch-selected color display of I, Red, R-Y, Q, B-Y, Blue and Green (G-Y). NTSC specified signal is applied to antenna input with 5000 mw RF output on channel 3, 4 or 5. In addition, four signals are available for signal injection in video stages plus 15,750 cycle sawtooth for scope sync plus 4.5 mc crystal-controlled modulated tone for fine-tuning and trap adjustment. Includes a color gun killer and a chroma level control for trouble-shooting color sync circuits effectively in minimum time. Size, 5½x14½x10". Includes mirror, video and RF cables. For operation from 105-125 v., AC only. Shpg. wt., 12 lbs.
94 AU 173. *$10 Monthly*......189.95

Express Shipment Recommended for Test Instruments

SENCORE
SENCORE

$122.01
$7 monthly

CG126 Color Bar Generator

Don't get left out of the coming boom in color TV servicing. Be prepared with this top-quality standard color-bar generator at an extremely low price. Produces keyed color bars at NTSC phases, adjustable white dots, crosshatch pattern, and vertical or horizontal bars. All patterns are crystal controlled for excellent stability. Five-way selector permits rapid "dialing" of desired pattern from front panel.

White dots can be set to any size desired by an exclusive rear-panel screwdriver adjustment. Stabilized crosshatch pattern simplifies convergence. RF output is pretuned to ch. 4—other low channels can be selected by a simple slug adjustment.

Compact and portable to meet in-the-home color servicing requirements, unit produces 10 vertical and 14 horizontal thin white lines for dynamic convergence adjustments. Has reserved output of up to 200% on color bars for forcing signal through defective circuits. Size, 8x11x6". For 110-120 volts, 60 cycle AC. Wt., 13 lbs.

94 AU 174. *$7 Monthly*....... 122.01

$67.18
$5 monthly

CR128 CRT Tester/Rejuvenator

A money-making, money-saving instrument. Checks and rejuvenates both color and black and white television picture tubes without adapters or chance of tube damage. Thoroughly checks for inter-element shorts, cathode emission, control grid cutoff capabilities, gas and life. Tests performed are standard, correlating directly with set-up data from RCA and GE manuals.

Special "automatic controlled rejuvenation" feature prevents accidental tube damage—RC timing circuit carefully controls rejuvenation time in welding open cathodes. Use of well-filtered DC on all tests provides accurate check on control grid capabilities, highly important in color TV.

Two cables provide all sockets required for testing all CRT's—without adapters. Two neon panel lamps clearly indicate inter-element shorts. Complete with steel carrying case. Built-in storage compartment holds socket cables and line cord. Size, 9x10x4½". For 110-120 volts, 60 cycle AC. Wt., 13 lbs.

94 AU 175. *$5 Monthly*.... 67.18

$183.75
$10 monthly

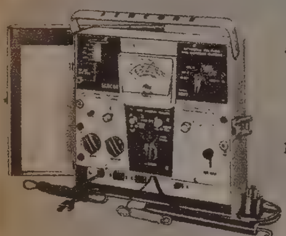
CA122 Color Analyzer

Does the work of two or three generators for color and black and white TV servicing. The CA122 portable circuit analyzer produces color bars, white dots, crosshatch pattern, vertical bars, horizontal bars and shading bars—the six basic patterns required for converging and troubleshooting color TV sets. Other analyzing signals are also provided to assist in solving RF, IF, audio, video and sync problems in both color and black and white receivers.

Ten standard crystal-controlled keyed bars (RCA type) give all colors at specified NTSC phases. Special counting circuits create stabilized dots. Color gun interrupter permits fast purity and convergence checks without upsetting color controls.

Sync and video, ±0 to 30 v. p-p, have separate p-p calibrated controls for quick video/sync checks. Also has crystal-controlled 4.5-mc and 900-cps audio signals, and illuminated pattern indicator that "locks in" with pattern selector. 10x14x8". For 110-120 v., 60 cycle AC. 18 lbs.

94 AU 176. *$10 Monthly*...... 183.75



Substitutes for Vertical and Horizontal Oscillators

Includes Universal Yoke and Flyback Check

$87.71
$5 monthly

SS117 TV Sweep Circuit Analyzer

Versatile circuit analyzer solves any sweep, sync or high-voltage circuit problem in minutes. Universal horizontal and vertical oscillators in unit substitute for oscillators in TV set. Horizontal yoke check consists of substituting universal yoke in unit. Vertical yoke is tested by driving with test signal to produce full height trace on TV screen. Flyback check tests for power transfer to universal yoke. All checks are made under dynamic conditions with TV set on.

Roll chart provides all necessary data for setting controls and interpreting readings—average peak-to-peak driving voltages, cathode currents and grid/screen pin numbers are listed for all popular horizontal output tubes. Has mirror in detachable cover and two convenient AC outlets in storage compartment. Size, 9¼x10¼x3½". For 110-120 volts, 60 cycle AC. Wt., 10 lbs.

94 A 177. *$5 Monthly*.................. 87.71

A Whole Inventory of Resistors, Capacitors and Rectifiers at Your Fingertips

$39.15
$5 monthly

RC121 Component Substitutor

You don't have to waste time hunting for parts or soldering and unsoldering when substituting, if you have an RC121. Offers complete range of carbon resistors, capacitors, electrolytics and rectifiers for on-the-spot substitution. Has switches to select 12—1-watt resistors, 10 to 5600 ohms; 12—½-watt, 10K to 5.6 megs; 20—20-watt wirewound power resistors, 2.5 to 15,000 ohms; 10—600-WVDC capacitors, 100 mmf to 0.5 mfd; 10—450-WVDC dual-section electrolytics, 2 to 250 mfd; 1 selenium and 1 silicon rectifier, each rated 500 ma @ 800 PIV. Built-in surge protector. 6x7x3½". With 4 test leads. Wt., 5 lbs.

94 A 178. *$5 Monthly.* 39.15

SENCORE
ELECTRO-SUB

$15.63

$12.49

ES132 "ELECTRO-SUB". Substitutes electrolytics from 2 to 250 mfd or use as 25 singles. Usable 2 to 450 v. DC. Automatic discharge and surge protector circuit prevents arcing, sparking or healing. 2¼x4¾" sq. With leads. 2 lbs.

94 A 179......... 15.63

H36 "HANDY 36". Compact component substitution box with all this: 12 1-watt resistors, 10 ohms to 5.6K; 12 ½-watt resistors, 10K to 5.6 meg; 10 capacitors from 100 pf to .5 mfd; 2 electrolytics, 10 and 40 mfd @ 450 v. 2x4¾x3¾". Leads. 2 lbs.

94 A 180............. 12.49

SENCORE
PS120
$122.01
$7 monthly
PS127
$166.11
$9 monthly
TC130
$73.01
$5 monthly

PS127 5" Oscilloscope

All the most wanted scope features—wide bandwidth for color TV servicing, high sensitivity, up to 500 kc sweep. A professional-type, wide-band 5" scope at a surprisingly low price. Portable; for TV-radio servicing in the field. Frequency response: vertical amplifier—flat within 1 db from 10 cps to 4.5 mc, −3 db at 5.2 mc; horizontal amplifier—flat within 3 db from 10 cps to approx. 1 mc. Deflection sensitivity for 1" height: vertical amplifier—.017 volts rms at vertical input cable or auxiliary vertical jack; horizontal amplifier—1 volt rms for 1" width.

Has 5 sweep ranges with 10% overlap: 5-50 cps, 50-500 cps, 500 cps-5 kc, 5-50 kc, 50-500 kc. Sync to 4 mc. Input imp.: vertical, 2.7 megs with 99 mmf shunt; horizontal, 4 megs with 10 mmf shunt; 27 megs shunted by 9 mmf through built-in low capacity probe. Max. AC input vertical, 5000 v. p-p with low capacitance probe @ 1000 v. DC; horizontal, 15 v. p-p @ 600 v. DC. 9x12x15½". For 105-125 v., 50-60 cycle AC. Shpg. wt., 25 lbs.
94 AU 181. *$9 Monthly* 166.11

PS120 3" Oscilloscope

Performs all the functions of the bigger ones and goes places they can't. Takes only a little space on the bench. A truly portable, wide-band unit designed to handle any job, yet as easy to use as a voltmeter! Low-cost, extended-view scope has just 2 major controls. Ideal for color TV servicing. Frequency response: vertical amplifier—flat within ½ db from 20 cps to 5.5 mc, usable to 12 mc; horizontala mplifier—flat within −3 db from 45 cps to 330 kc, within −6 db from 20 cps to 500 kc. Sensitivity: .035 volts/inch rms; 0.1 volts/inch peak-to-peak.

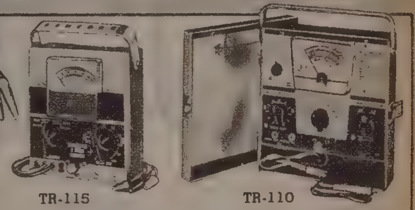
All 4 horizontal sweep oscillator ranges continuously adjustable with approx. 10% overlap; ranges—15-150 cps, 150-1500 cps; 1500 cps-15 kc, 15-150 kc. Sync range, 15 cps to 8 mc; usable to 12 mc. Input impedance: vertical, 2.7 megs with 99 mmf shunt; horizontal, 330K to 4 megs. With low capacity probe. Has steel carrying handle and concealed storage compartment. 9x7x11¼". For 105-125 v., 50-60 cycle AC @ 82 w. (10 w. standby). 15 lbs.
94 AU 183. *$7 Monthly* 122.01

New TC130 Tube Tester

The Mighty-Mite III—latest in the series of tube testers that have won wide acceptance among servicemen. Improved features include lower voltage checks for Nuvistors and frame grid tubes, speedy indexed set-up cards to reduce "look-up" time, simplified panel to prevent mistakes, streamlined styling and non-marring rubber feet. Only 7 lbs. and smaller than a portable typewriter. Checks them all—including Novars, Compactrons, Nuvistors, 10 pin tubes plus picture tubes.

This latest model also includes a burn-out, stick-proof meter—shorted tubes won't ruin it. The Mighty-Mite III checks for control grid and gas contamination (100 megohm sensitivity) as well as for interelement shorts and cathod eemission at full operating levels. Each element is checked individually to make sure the tube is operating like new. Will find those tough dogs in critical circuits such as color TV and stereo FM. Size, 10¼x9¼x3½". For 105-125 v., 50-60 cycle AC. Shpg. wt., 9 lbs.
94 AU 182. *$5 Monthly* .. 73.01

FC123
VB2
HG104
ALIGN-O-PAK
BE113



FC123 TUBE CHECKER. Handy instrument for the serviceman or the TV set-owner. Especially useful on series string sets. Quickly checks tube filaments; indicator shows voltages between 100 and 600 volts AC or DC; checks continuity of motors, fuses, switches, coils, wiring, etc. 3¼x1¼". With leads. For 110-120 v., AC or DC. Shpg. wt., 1 lb.
94 A 184 .... 3.87

HG104 HARMONIC GENERATOR. Time-saving, battery-powered signal generator for easy signal-tracing of transistor-radio circuits—finds defective stage in minutes! Also very effective for testing TV, hi-fi, radio and other audio circuits. Unit generates RF, IF and audio signals simultaneously: Traces signal from speaker to antenna—clear 1000-cps note in speaker indicates good stage. Size, just 1¾x3½x4½". With batteries. Shpg. wt., 1 lb.
94 A 185 .... 9.75

VB2 "VIBRA-DAPTER". Adapts any tube tester to quickly check 12 and 6-volt vibrators. Plugs in to 6AX4/12AX4 or 6SN7/12SN7 sockets of tube tester. Has sockets for 3 and 4-prong vibrators. Two lamps show vibrator condition. Sturdy steel case is 3¾x1¾x1¾". Shpg. wt., 5 oz.
94 A 186 .... 2.69

BE113 "ALIGN-O-PAK" DUAL TV BIAS SUPPLY. Twin bias supply (for RCA and Admiral TV sets) provides all bias voltages for making RF or IF alignments, locating AGC and sync troubles, etc. Output of each supply: 0-20 v. DC negative or positive, with less than 0.1% ripple. Transformer provides line isolation. Supplies may be used simultaneously without interaction. Size 2½x4x4". With leads and instructions. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 4 lbs.
94 A 187 .... 12.49

TR115 TRANSISTOR-DIODE CHECKER. Low-cost, battery-powered unit checks transistors for opens, shorts and leakage. Reads current gain (beta) directly, or as good or bad. Checks diode F/B ratios; seleniums for forward, reverse current. Lists Japanese equivalents. Has set-up charts for critical tests, although checker can be used for most tests without them. Supplied with leads and batteries. Compact case with carrying handle is just 4½x5x2¼". Shpg. wt., 2 lbs.
94 A 188. *$5 Monthly* 24.45

TR-110 "TRANSI-MASTER" TRANSISTOR TESTER. Serves as signal tracer, voltmeter, battery tester and milliammeter. Tests transistors in circuit with AC gain check—also tests DC gain and leakage out-of-circuit. Reads current gain (beta) directly and tests diode F/B ratios. Has 0-12 V. scale for battery tests under load; 0-50 ma scale reads current drain, aids in alignment. Mirror in cover reflects opposite side of PC boards. With probe, leads, set-up chart and batteries. Size 8x7⅝x3". Shpg. wt., 6 lbs.
94 A 302. *$5 Monthly* 58.31

Simpson

Popular Test Equipment

HIGH-STABILITY VOM'S AND AC VTVM'S

260-4
With Plug-In
Adapter

Model
260-4

$\$48^{95}$

$5 Monthly

Plug-In Adapters Make This Famous Instrument into a Whole Laboratory of Test Equipment

MODEL 260—SERIES 4 VOM. Low cost and dependable instrument. 20,000 ohms/volt DC sensitivity, 2-color scales, 5000 ohms/v. AC sensitivity, polarity reversing switch, full-wave bridge rectifier, response to 500,000 cps. Ranges: DC mv, 0-250; AC and DC v., 0-2.5-10-50-250-1000-5000; AF output v., 0-2.5-10-50-250; DC μa, 0-50; DC ma, 0-1-10-100-500; DC amps, 0-10; res., 0-20 megs in 3 ranges; db, 20 to +50 in 4 ranges. 7x5¼x3⅛″. Batt., leads. 5 lbs.
69 F 199. *$5 Monthly*.................................**48.95**
69 F 200. MODEL 260RT. Above in roll-top case. Size, 9x6⅜x4¾″. Shpg. wt., 9 lbs. *$5 Monthly*.................................**54.95**

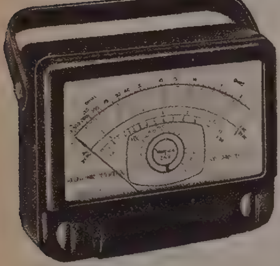
MODEL 270 VOM. Deluxe version of the 260. Has all 260 features plus mirrored scale, knife-edge pointer, extra-high stability, 1½% accuracy. 7x5¼x3⅛″. Batteries, leads 5 lbs.
69 F 209. *$5 Monthly*.................................**64.95**
69 F 228. MODEL 270RT. Above in roll-top case. Size, 9x6⅜x4¾″. Shpg. wt., 9 lbs. *$5 Monthly*.................................**70.95**

Accessories for the 260 and 270

Stock No.	Type	Description	For Models	Lbs.	EACH
69 F 210	0508	HV probe; 25 KV range.	260-4 270	½	11.50
69 F 202	0509	HV probe; 50 KV range.	260-4 270	½	12.50
69 F 196	8375	Leads; alligator clips L terms.	260-3	½	1.75
69 F 203	7500	Leads; banana plugs allig. clip.	260-4	1	2.10
69 F 151	4236	Ever-Ready Leather Case	260, 270, 303	2	9.75
69 F 162	1818	Standard Leather Case	260, 270	2	8.50

Plug-in Adapters. Turn any 260 or 270 made since 1947 into 8 different testers. 4⅜x5$\frac{5}{16}$x3$\frac{1}{16}$″. 2 lbs.

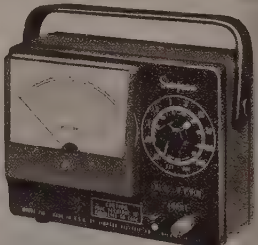
Stock No.	Type	Function	Description	EACH
69 F 334	650	Transistor Tester	0-100 μ I_{co} 3 beta ranges.	29.95
69 F 336	651	DC VTVM	0-0.5-1.0-2.5-5-10-25-50-100-250-500 v.	39.95
69 F 337	652	Temperature Tester	—50° to +250° F. in 2 ranges.	39.95
69 F 338	653	AC Ammeter	0-0.25-1-2.5-12.5-25 A; 50-3000 cps.	19.95
69 F 339	654	Audio Wattmeter	17 μw to 100 w; 4/8/16/600 ohms.	19.95
69 F 340	655	Microvolt Attenuator	2.5-250,000 μv, decade steps.	19.95
69 F 342	656	Battery Tester	Up to 90 volts.	19.95



269-2 VOM

$\$89^{95}$

7″ Scale and Sensitivity 100,000 Ohms Per Volt DC



715 AC VTVM

$\$69^{95}$

10 Mv AC Full-Scale, on Lowest Range!

5″ Portable "Handiscope"

For AM-FM-TV Service Work In The Shop or Home

$\$149^{95}$

$8 Monthly

- **Push-Pull Horizontal and Vertical Amplifiers**
- **30 Mv/In. RMS Sensitivity**

MODEL 269-2 VOM. Ranges: DC, 0-16-160 μa; 0-1.6-16-160 ma; 0-1.6-16 amps. DC v., 0-1.6-8-40-160-400-800-1600-4000. AC v., 0-3-8-40-160-400-800; output v., 0-3-8-40-160. Ohms, 0-2K-20K-200K; megs, 0-2-20-200. 6x8x3″. 100,000 ohms/v. DC. Leads, battery. 6 lbs.
69 F 153. *$5 Monthly*.................................**89.95**
69 F 158. 0181. 40,000 VDC probe for 269-2. 2 lbs.........**13.50**

MODEL 268 VOM. Ranges: AC and DC v., 0-3-12-60-300-600-1200; DC μa, 0-60; DC ma, 0-1.2-12-120; DC amps, 0-12; db, —12 to +50 in 4 ranges; output v., 0-3-12-60-300; ohms—RX1 (12 ohms center), RX100, RX10K. With leads, battery 3¼ lbs.
69 F 348. *$5 Monthly*.................................**54.95**

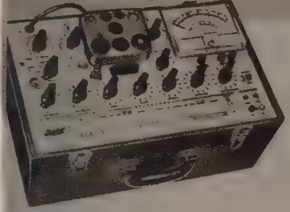
MODEL 715 AC VTVM. Ideal for hi-fi and general audio work such as hum and ripple measurement, power output checking, etc. Includes a specially designed meter scale that provides db markings on both the voltage range positions and the meter scale. High input impedance: minimum 1 megohm @ 1 kc shunted by 25 pf. Uses 1% precision multiplier resistors. Response, 10 cps to 400 kc, ± 1 db. Ranges, AC rms V., 0-0.01-0.03-0.1-0.3-1-3-10-30-100-300; db, —52 to +52 dbm. Accuracy, ±5% of full scale. With leads. 5½x7½x3″. For 110-125 v., 50-60 cycle AC. 5 lbs.
69 F 239. *$5 Monthly*.................................**69.95**

MODEL 466. A compact, portable general purpose 5″ oscilloscope for AM, FM or black-and white TV servicing, and for industrial use. Contains horizontal push-pull amplification for X axis, vertical push-pull amplification for Y axis and an intensity modulation input for Z axis. Three sync controls, coarse, fine and + or —. Vertical response: ±1 db from 15 cps to 100 kc; 6 db down at 250 kc; usable to 1 mc. **Maximum vertical deflection sensitivity:** 30 rms mv/inch. **Maximum deflection sensitivity:** 0.7 rms v/inch. **Calibrating voltage:** P-P, 1 v. ±10%. **Input Resistance/capacitance:** 0.1 meg, 40 mmf (x1 atten.); 0.5 meg, 35 mmf (x100 atten.). 15 cps to 80 kc sweep. **Maximum input:** 400 v. peak. Complete with input cable and operator's manual. Case size, 7⅛x12¼x16⅛″. For 110-120 v., 50-60 cycle AC. Shpg. wt., 29 lbs.
69 FU 643. *$8 Monthly*.................................149.95

Allied Sells the World's Finest Test Equipment and Guarantees Your Satisfaction, or Your Money Back. Buy Your Test Equipment on Allied's Credit Fund Plan—the Plan That Makes It Easy to Own the Best, Right Away. . . .

Famous Test Instruments by HICKOK

DELUXE TEST EQUIPMENT FOR RADIO AND TELEVISION SERVICE AND LAB WORK



$239.50
$12 monthly

6000A Tube Tester

Time-saving, quick-testing portable tube tester. Checks compactrons, novars, 5 and 7-pin nuvistors, and 10-pin miniatures, as well as octals, loctals and 7 and 9-pin miniatures. Provides "good-bad" quality test for NPN and PNP transistors, and forward conduction efficiency test on semiconductor diodes. Has large 5" meter. Has Hickok-developed G_m circuit. Reads transconductance ranges (0-3000-6000-15,000 micromhos) directly on 3-scale meter. Provides sensitive, instantaneous inter-element leakage and shorts tests (on 5 neon lamps), as well as a grid current check. 7½x16¾x11¾". For operation from 105-125 volts, 50-60 cycle AC. 24 lbs.
65 FU 006. *$12 Monthly*...239.50

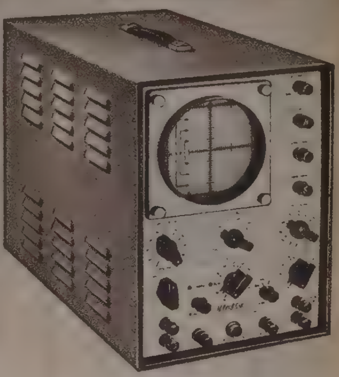
$199.95
$10 monthly

800A Tube Tester

Lower-cost portable transconductance tester. Tests 4, 5, 6, 7-pin, octal, loctal, 7 and 9-pin miniature tubes. Checks for grid current. Also tests transistors, diodes, novars, nuvistors, 10-pin miniatures and compactrons ("good-bad"). 5" triple-scale meter has ranges of 0-3000-6000-15,000 micromhos and "replace-?-good" scale. 7½x16¾x11¾". For 105-125 v., 50-60 cycle AC. 24 lbs.
69 FU 648. *$10 Monthly*...199.95

65 F 114. CA-4. Adapter for testing compactrons, novars, 5 and 7-pin nuvistors, and 10-pin types. Fits any tester with octal socket. 4 lbs...... **49.50**

69 F 082. CRT Adapter. For all current Hickok manual testers. 1 lb..... **15.75**



677 5" Wideband Scope

$199.50
$10 monthly

- **Edge-Lit Calibrated Graticule**
- **5 Megohm Input Impedance for Low Circuit Loading**

Highly sensitive, 5" wideband oscilloscope specifically developed to offer TV servicemen an excellent instrument at moderate cost. Excellent for color and black and white TV servicing, FM multiplex alignment, etc. Has 40 rms mv/inch vertical sensitivity. Illuminated, calibrated graticule and bright trace with full astigmatic correction, make it ideal for use in both waveform observation and peak-to-peak measurements.

Vertical amplifier's frequency response: ±3 db, 5 cps to 4.5 mc. Pulse response: rise time, .08 microseconds. 3-step decade attenuator and vernier gain control. Input impedance, 3 megs shunted by 10 mmfd. Response of horizontal amplifier: ±3 db, 5 cps to 350 kc. Sweep frequency: 10 cps to 500 kc. Horizontal trace can be expanded a minimum of 5 times to observe fine details of waveform. Built-in retrace blanking. Input impedance, 5 megs shunted by 30 mmf. Choice of ± internal, external and line sync. Built-in peak-to-peak calibrator. Fully fused for safe operation. 14x9½x18½". With leads. For 110-120 volts, 50-60 cycle AC. Shpg. wt. 36 lbs.
65 FU 283. *$10 Monthly*........199.50

Model 752A Deluxe Tube Tester

Portable transconductance tube tester featuring famous Hickok-developed G_m test circuit. Has simplified transconductance scale. G_m ranges: 0-1500-3000-6000-15,000-30,000 micromhos Tests 5 and 7-pin nuvistors, novars, compactrons, 10-pin types as well as 4, 5, 6, 7-pin octal, loctal, 7 and 9-pin miniatures, 7-pin in-line and 8-pin round subminiatures, voltage regulator tubes and acorn tubes. Dual-section tubes pushbutton-tested without set-up change. Cathode activity/life test. Illuminated meter. Bias and line fusing. Black leatherette case with test leads compartment and detachable lid. 7½x18⅜x16¾". Built-in illuminated roll chart has test data for more than 1600 tubes. For operation from 105-125 volts, 50-60 cycle AC. Shpg. wt. 27 lbs.
65 FU 116. *$17 Monthly*......355.00

$355.00
$17 monthly

Checks Latest High-G_m Tubes, Up to 30,000 Micromhos!

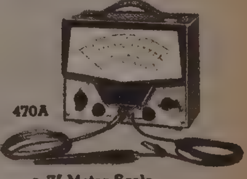
Stable, Dependable Meters With Long-Term Accuracy

MODEL 455A Burnout-Proof VOM. Compact, portable VOM. Unique overload circuit cut-out and fuse system protect meter and circuitry against burnout on any function, including ohms. Has full-wave bridge-type rectifier circuit. Sensitivity 20,000 ohms-per-volt, AC and DC. Ranges: AC-DC volts, 0-3-15-60-150-600-1200; resistance, 0-1000-100,000 ohms; 0-1-100 megs—5 ohms center scale; DC current, 0-50 μa; 0-1-10-100-1000 ma; 0-10 amps; db, −18 to +57 in 5 ranges. Frequency compensated over entire audio range. 3x5⅞x8½". With test leads. Less batteries (requires 1 each Burgess U 20 and 2). 6 lbs.
69 F 122. *$5 Monthly*.......89.50

455A

$89.50
$5 monthly

MODEL 470A PORTABLE VTVM Versatile VTVM for engineer and serviceman. Has easy-to-read 2-scale, 7" meter. Permits transistor bias testing. Ranges: AC and DC volts, 0-0.5-1.5-5-15-50-150-500-1500; p-p AC volts, 0-1.4-4-14-40-140-1400-4000; resistance ranges (center scale = 10): X1, X10, X100, X1000, X10K, X100K, X1 meg and X10 megs. Frequency response, 15 cps to 2.5 mc. DC input resistance 17.7 meg. AC resistance 17.7 meg shunted by approximately 150 mmf. DC zero-center scale. 6⅜x7½x4½". With single-unit AC-ohms-DC probe and lead. For 105-125 volts, 50-60 cycle AC. Shpg. wt., 10 lbs.
65 F 118. *$5 Monthly*.......79.50



- **7" Meter Scale**
- **0.5 Volt AC and DC Ranges**
- **17.7 Megohm Input**

$79.50
$5 monthly

Express Shipment Recommended for Test Equipment

Test Equipment

310 Miniature VOM and Accessories

310 VOM Only

$37.50

$5 monthly

- **Hand-Size VOM—Small Enough for a Shirt Pocket**
- **Full Set of 18 Ranges—Same as the Big Ones**
- **Self-Shielded Movement with Unbreakable Window**
- **Probe Fits into Top of Tester—Frees One Hand**

MODEL 310 MINIATURE VOM. Small in size but without any sacrifice in range, quality or workmanship. Sensitivity, 20,000 ohms/volt DC and 5,000 ohms/volt AC. DC accuracy ±3%. DC volts: 0-3-12-60-300-1200 at 20K ohms/v. AC volts: 0-3-12-60-300-1200 at 5K ohms/v. DC μa: 0-600; DC ma, 0-6-60-600. Ohms: 0-20K-200K; megs: 0-2-20. Complete with leads and batteries. 4¼x2¾x1⁵⁄₁₆". 4 lbs.
69 F 667. *$5 Monthly*...37.50

69 F 146. **369 Leather Case.** For 310 only. 6 oz.......................................3.20

69 F 231. **Model 10 Ammeter Adapter.** Plugs into top of 310 or connects to any other VOM with 3 v. AC scale @ 5K ohms/volt. Reads 6 ranges to 300 amps AC by clamping around conductor without breaking circuit or insulation. 4¼x3¼x1¼". 2¾ lbs..........15.50

69 F 235. **311 Leads.** For separating 310 and 10 in difficult locations..............2.10

66 F 590. **379 Leather Case.** Holds both 310 and 10 adapter. 8 oz....................6.00

69 F 232. **101 Line Separator.** Plugs into AC outlet. Increases sensitivity of Model 10 ten or twenty times. 5 oz...6.00

SAVE $2.60

Model 100 VOM and Clamp-On Ammeter Set

$64.50

$5 monthly

MODEL 100 VOM AND CLAMP-ON AMMETER SET. Includes 310 VOM, 10 clamp-on adapter, 101 line separator, 379 leather case, 311 leads. 3½ lbs.
65 F 095. *$5 Monthly*...64.50

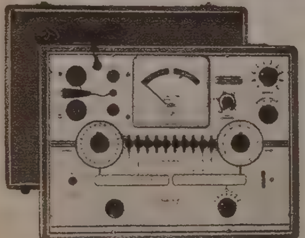
310-C Miniature VOM with Extra Features

$44.50

$5 monthly

15,000 Ohms/Volt AC Sensitivity . . . Reversing Switch

Same as Model 310 above but with these additional features: fully enclosed lever range switch, 15,000 ohms/volt AC sensitivity (20,000 ohms/volt DC same as 310), and reversing switch for DC measurements. All of the above accessories for the Model 310 including case, adapters, etc. can be used with the 310-C. 4¼x2¾x1⁵⁄₁₆". Shpg. wt. 4 lbs.
65 F 096. *$5 Monthly*..........44.50



Model 3414 Tube Tester

$109.50

$6 monthly

Rejects Burned-Out Tubes Instantly—No Waiting for Filaments to Heat

Filament voltages from 0.65 to 117 v. Features modified plate conductance for closer correlation to tube characteristics; improved neon shorts test indicator; variable leakage test. 4" tri-colored meter. Variable-leakage test indicates leakage from approximately 0.3 megs to over 3 megs. Gray-leatherette covered wood case. 11½x15⅞x6½". For 110-120 volts, 50-60 cycle AC. 16 lbs.
69 FU 645. *$6 Monthly*.........109.50

T-2247-BV Adapter. (Not illus.) For use with Model 3414 (above) and Model 3444 (not illustrated) testers. Permits testing television picture tubes in operation. 1 lb.
69 F 111...........................7.20

Model 2590 Transistor Tester

$59.50

$5 monthly

Model 630-PLK Deluxe VOM

$79.50

$5 monthly

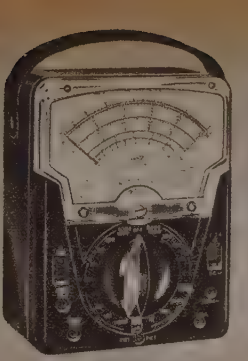
2590 Transistor Tester

Measures transistor characteristics on five scales: 0-1 and 0-100 ma for I_{CEO}; 0-500 μa and 0-1 ma for I_{CBO}, plus Beta range 5-100. Also, shows Good-?-Bad scale. Checks all transistors under simulated operating conditions. Tests Beta, I_{CBO} and I_{CEO} for both power and signal types. Checks transistors for shorts and leakage, diodes for leakage and forward current. Easy to operate—no roll chart needed. Transistor socket plus external leads permit use with any basing arrangement. Only transistor-type information is needed; unit is always up-to-date. Meter has 5 scales in black-red-green. Gray leatherette case, 8⅝x11⅝x5⅛". For 105-125 v., 50-60 cycle AC. Shpg. wt. 9 lbs.
69 FU 618.................59.50

630-PLK Deluxe VOM

Virtually eliminates the possibility of bent pointers, open meter, etc. Has transistorized electronic switching circuits to protect meter and all components from damage by overloading. 5½" meter. Ranges: DC volts, 0-2.5-10-50-250-1000-5000 @ 20,000 ohms per volt; AC volts, 0-3-10-50-250-1000-5000 @ 5,000 ohms per volt; db, −20 to +75 in 7 ranges; DC microamps, 0-100 @ 250 mv; DC milliamps, 0-10-100-1000 @ 1000 mv; DC amps, 0-10 @ 250 mv; ohms, 0-1000-10,000 (4.4-44 at center scale); megohms, 0-1-100 (4,400-440,000 at center scale); output volts, 0-3-10-50-250-1000 at 5,000 ohms per volt. With 50" leads with clips, and batteries. 7½x5½x3⅜". Wt., 4 lbs.
65 F 299.....................79.50

Model 631 $69 50 $5 monthly



Model 630-PL $49 50 $5 monthly

Model 630-NA $79 50 $5 monthly

TRIPLETT

HIGH-ACCURACY VTVM'S AND VOM'S for Engineers, Servicemen and Hobbyists

SERIES 630 TOP-PERFORMING VOM'S

Model 631 VTVM-VOM

attery operated VTVM, 0-1.2-6-30-120 v., C; 11 megs input imp. VOM: DC v., 0-3-12-300-12K (20K ohms/v.); AC and audio lts, 0-3-12-60-300-12K (5K ohms/v.); DC , 0-60; DC ma, 0-1.2-12-120-1200 (250 mv); amps, 0-12 (250 mv); db, −20 to +63; ms, 0-1500-15K; megs, 0-1.5-150. With batteries and leads. 3 11/32x5½x7½". Shpg. wt., ½ lbs.

F 113. *$5 Monthly*..............69.50

Model 630-PL VOM

C and DC v., 6 ranges each, to 5000 v. (DC 20,000 ohms/v.; AC at 5000 ohms/v.); DC rrent, 0-100 μa, 0-10-100-1000 ma, and 0-10 nps; resistance, 0-1000-10,000 ohms and 0-1-0 megs; db, −20 to +75 in 6 ranges; output , 0-3-10-50-250-1000 at 5000 ohms/v. Accuracy: ±3% on DC to 1000 v.; ±4% on AC 1000 v.; ±5% on AC-DC at 5000 v. Frequency response: 5-500,000 cps in AC measurements. 7½x5½x3 11/32". With leads and atteries. Shpg. wt., 4½ lbs.

9 F 229. *$5 Monthly*............49.50

Model 630-NA VOM

A top-performing VOM with 70 ranges; accurate within 1½% of full scale reading on DC to 1200 v.; ±3% on AC to 1200 v. DC volts; 0-.240-.6-3-12-60-300-1200-6000 (10,000 ohms/v.); 0-.120-.3-1.5-6-30-150-600-3000 (20,000 ohms/v.). AC volts: 0-3-12-60-300-1200-6000 (5000 ohms/v.); 0-1.5-6-30-150-600-3000 (10,000 ohms/v.). Db, −20 to +77 in 12 ranges (600-ohm line at 1 mw.). DC microamps: 0-120 (240 mv); 0-60-600 (120 mv). DC ma: 0-1.2-12-120-1200 (240 mv); 0-6 (120 mv). DC Amps: 0-12 (240 mv); 0-6 (120 mv). Ohms: 0-1K-10K-100K, 0-100 megs. Output volts: 0-3-12-60-300-1200; jack with condenser in series with AC ranges. Frequency compensated from 35 cps to 20 Kc. Also, temperature compensated. Molded, fully insulated case, with easy-to-read open front meter. Size, 7½x5½x3 11/32" Mirror scale; meter has special diode protection against overloads. Supplied complete with test leads, alligator clips, easy-to-understand instruction manual and batteries. Shpg. wt., 4 lbs.

69 F 110. *$5 Monthly*.............79.50

Model 630 VOM

$49 50 $5 monthly

- **Fused Against Ohm Range Burnouts**
- **Large, Easy-to-Read 5½" Meter**
- **1% Precision Resistors**

Streamlined tester with spring-backed instrument jewels for rugged shock-resistence. Many quality features. Has 5½" meter and 1% precision resistors. Accurate within 3% on DC to 1200 v. Ranges: DC and AC volts, 0-3-12-60-300-1200-6000 (DC at 20,000 ohms/v., AC at 5,000 ohms/v.); DC current 0-60 μa, 0-1.2-12-120 ma and 0-12 amps; resistance, 0-1000-10,000 ohms and 0-1-100 megs; db, −20 to +70 (600-ohm line at 1 mw.); output v., 0-3-12-60-300-1200; jack with condenser in series with AC ranges. 20-position switch selects circuit and range—minimizes chance of incorrect settings and burnouts. Molded, fully insulated case, 7½x5½x3 7/32". With batteries, leads. Wt. 6 lbs.

69 F 118. *$5 Monthly*... ..49.50

Deluxe Series 800 VTVM and VOM

MODEL 850 VTVM. A wide-range VTVM for lab and shop use. Meter has large 7" dial scale. Sensitive 200 μa meter movement is protected against overload. Features 0.5 volt full scale range on DC for checking low voltage circuits; zero center on all DC scales; single-unit probe for DC or AC ohms. Frequency response is from 15 cps to 3 mc. Ranges: DC volts (11 megohms input resistance). 0-4.5-1.5-5-15-150-500-1500; AC RMS volts (0.83 megohms minimum input impedance), 0-1.5-5-15-50-150-500-1500; ACP-P volts, 04-14-40-140-400-1400-4000; resistance, 0-1000-10,000-100,000 ohms and 0-1-10-100-1000 megohms. Has meter protection against overload. 6 7/16x7 5/8x3¾". With 48" leads and battery. For 110-120 v., 50-60 cycle AC. 7 lbs.

69 F 257. *$5 Monthly*..............................79.50

MODEL 800 VOM. Designed for lab serviceability, features 70 ranges—±1½% accuracy on DC to 1200 v.; ±3% on AC to 1200 v. DC volts: 7 ranges to 6000 (10,000 ohms/v.); 7 ranges to 3000 (20,000 ohms/v.)l AC volts: 6 ranges to 6000 (5000 ohms/v.); 6 ranges to 3000 (10,000 ohms/v.). Db.: −30 to +70 in 12 ranges. DC microamps: 1 range to 120 (240 mv); 2 ranges to 600 (120 mv). DC milliamps; 4 ranges to 1200 (240 mv); 3 ranges to 600 (120 mv). DC amps: 1 range to 12 (240 mv); 1 range to 6 (120 mv). Ohms: 3 ranges to 100K, 3 to 100 megs. Has DC polarity reversing switch, and 7" mirror scales. Meter protected against overload: fused, temperature and frequency compensated. 7½x6¼x3⅞". With leads and batteries. 4½ lbs.

69 F 071. *$5 Monthly*.............................89.50

$89 50 **Model 800** $5 monthly

Laboratory Quality. Check These Extra Features: Large 7" Mirror Scale . . . With 70 Ranges . . . ±1½% DC Accuracy

$79 50 **Model 850** $5 monthly

. . . 7" Mirror Scale. 0.5 v. DC Range . . . Overload Protected Meter.

Extremely High Sensitivity—3 Mv RMS/In!

$79⁹⁵

$5 monthly

WO-33A (K) 3″ Oscilloscope Kit

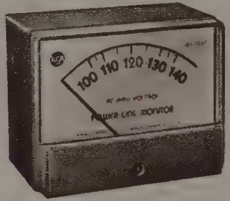
Features dual-band response—high gain positions of the attenuator have narrow bandwidth; low gain positions, wide bandwidth. Wide-band is flat from 5.5 cps to 5.5 mc; narrow band, 20 cps to 150 kc. Both within ±3 db. Built-in calibrator for accurate p-p voltage measurements. Narrow-band sensitivity, .02 volt peak-to-peak per inch (.003 volt rms). Wideband, 0.6 volt peak-to-peak per inch (0.1 volt rms). Saw-tooth range, 15 cps to 75 kc. Sync: external and (±) internal. Line sweep: 160° adjustable phase. Sync circuit locks in at frequencies as high as 4.5 mc. Vertical input impedance, 90 mmt and 1 meg direct; 50 mmf and 1 meg at panel connector: 10 mmf and 10 megs in low-capacity position. Supplied complete with instructions and combination low-cap and direct probe. 8¾x6½x10¼″. For 105-125 volts, 50-60 cycle AC. Shpg. wt., 15 lbs.
94 AU 190. *$5 Monthly*....... 79.95

WR-64A Color-Bar/ Dot Crosshatch Generator

Portable and easy to use, connects to antenna terminals of any color TV receiver. Produces 10 bars of different colors simultaneously, including R-Y, B-Y, G-Y, I and Q signals spaced at 30° phase intervals for checking phase and matrixing, and for frequency and phase alignment. Provides stable fine-line cross-hatch and dot patterns. Fixed number of bars and dots facilitate over-scan and linearity adjustment in both color and black-and-white sets. Sound carrier permits accurate adjustment of receiver. Chroma control helps check color sync lock and color AFC alignment. Color sub-carrier, horizontal sync-pulse and "bar" frequencies are all crystal controlled. With shielded output cable. 10x13½x7½″. For 105-125 v., 50-60 cycle AC. 16 lbs.
94 AU 191. *$10 Monthly*..... 189.50

WR-50A-K Portable RF Signal Generator Kit

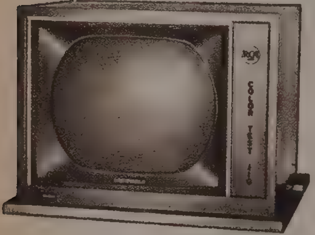
Ideal for alignment and signal-tracing AM, FM, hi-fi, CB and TV receivers. Provides continuously tunable output from 85 kc to 40 mc in six ranges all on fundamentals. Dial calibration is accurate within 2%. Incorporates built-in 400-cycle audio oscillator for internal or external modulation. Cathode-follower output isolates oscillator—maintains waveform, voltage regulation and stability. Attenuator control of RF output level has range of approximately 2000 to 1. Provides at least 0.05 v. rms. Crystal socket on front panel is wired into oscillator circuit. Inserting crystal provides crystal-controlled oscillator (not included). Shielded outputs. 7¾x5⅜x4¾″. For 105-125 v., 50-60 cycle AC. Shpg. wt., 10 lbs.
94 A 272. *$5 Monthly*......... 39.95
94 A 192. WR-50A. Factory-wired **59.95**



WV-120A Power Line Monitor

Expanded scale gives high accuracy and readability. Convenient to use—just plug line cord into AC outlet. Reveals fluctuations and "bounces" in line voltage. Ideal for labs, factories—wherever accurate knowledge of line voltage is required. May be hung on the wall or placed on work-bench. Range: 110-140 v. Accuracy: ±2% at 120 v. Scale has large, easy-to-read markings. 3¹⁵⁄₁₆x5x3¹⁄₁₆. Wt., 1½ lbs.
94 A 193.. 14.95

RCA Profit-Making Television Servicing Accessories



11A1015 Color Test Jig

Simplifies servicing of color TV receivers. Utilizes RCA type 21CYP22A tri-color kinescope. Eliminates necessity of removing picture tube from cabinet and of reconverging tube when chassis is returned. Control panel provides dynamic and static convergence. Metal cabinet with safety glass. With instructions, data for use with CTC-4, 5, 7 and 9 chassis. 93 lbs.
94 AZ 194. *$7 Monthly*........ 135.00

RCA Color TV Equipment

When it comes to top-quality color TV servicing equipment, choose RCA—world-renowned for accuracy and fine craftsmanship. On this page you'll find the latest in color TV servicing equipment designed to make your job easier and more profitable.

NEW! WT-115A Color Picture Tube Tester

Compact and exceptionally lightweight—fulfills the need for a unit designed specifically for use with three-gun color television tubes. Precision engineered emission tester provides reliable tests by setting up the correct cut-off voltage condition for each gun. Checks every type of color picture tube currently in use—including Models 21AXP22, 21CYP22, 21CYP22A, 21FB22 and 21FJP22. Size, 5x6x10″. Supplied complete with handy laminated vinyl carrying case that includes a convenient compartment for storing cables and leads. For operation from 105-125 volt, 50-60 cycle AC. Shpg. wt., 5 lbs.
94 AU 195. *$5 Monthly*........................ 89.50

Servicemen's Handy Time-Savers

WG-295C Video Multimarker. Provides 7 simultaneous absorption-type markers at preset frequencies. 1 lb.
94 A 196. *$5 Monthly*............ **32.50**

WG-304B RF Modulator. Permits marker generator modulation by sweep generator video. Wt., 1 lb.
94 A 197.......................... **16.50**

WG-307BK TV Bias Supply Kit. 3 outputs, 0 to −15 v. 1½ lbs.
94 A 198. In Kit Form........... **11.95**

WD-25A TV Isotap. Adjustable isolation transformer. 15 lbs.
94 A 199. *$5 Monthly*........... **22.00**

205-W1 Degaussing Coil Demagnetizes kinescope and chassis. 4½ lbs.
94 A 200.......................... **10.53**

220-X1 Kinescope Socket Extension Cable. Fits any kine tube. ½ lb.
94 A 201.......................... **7.40**

221X1 Deflection Yoke Convergence Extension Cable. ½ lb.
94 A 202.......................... **3.50**

226-X1 Grid Shunt Switch and Cable. For convergence and matrix adjustments. Shpg. wt., ½ lb.
94 A 203.......................... **5.50**

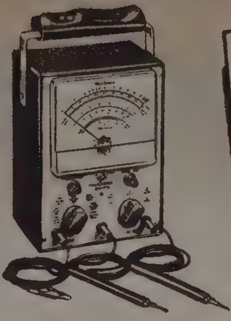
228-X1 Deflection Yoke Extension Cable. Shpg. wt., 2 oz.
94 A 204.......................... **5.25**

13A100 High Voltage Extension Cable. Extends high voltage lead to RCA Color Test Jig. 3 oz.
94 A 205.......................... **2.50**

Test and Educational Equipment by RCA

WV-76 A (K) AC VTVM In Easy-to-Build Kit Form

57^95^ $5 monthly



WV-77E (K) VTVM Kit—A Basic Service Instrument

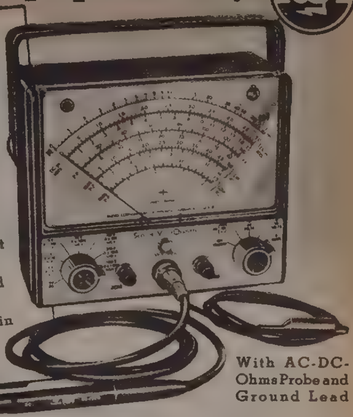
$29^95^ $5 monthly

Deluxe WV-98C (K) Senior VTVM Kit with Big 6½″ Meter

$57^95^

$5 monthly

- Compact, Simple Layout of Scales and Controls
- Conservatively Designed for Long Service
- Quality Workmanship in the Smallest Details



With AC-DC-Ohms Probe and Ground Lead

MODEL WV-76A (K) AC VTVM KIT. Highly sensitive, general-pur-ose AC VTVM that measures as little as 0.2 mv. Nine db and AC olts ranges, 10 mv. to 100 v. full scale; −40 db to +40 db. Uses % precision resistors. Accuracy: 4% of full scale. Frequency re-ponse flat within ½ db from 20 cps to 500 kc. Input impedance, 1.0 egohms shunted by 58 pf. With shielded direct/low capacitance robe that extends range to 500 v. 7¾x5⅝x4¾″. For 105-125 v., 0-60 cycle AC. Wt., 5 lbs.
4 A 339. *$5 Monthly*.......................... **57.95**

MODEL WV-77E (K) VOLTOHMYST KIT. Low-cost, dependable TVM with convenient pocket on handle for leads and probes included). Ranges: AC and DC volts, 0-1.5-5-15-50-150-500-1500; C p-p volts, 0-4-14-40-140-400-1400-4000; ohms, from 0.2 ohms to 000 meg in seven ranges. DC input resistance, 11 megohms. 7⅜x ½x4¾″. For 105-120 v., 50-60 cycles AC. 5 lbs.
4 A 207. *$5 Monthly*.......................... **29.95**
4 A 208. WV-77E. As above but factory-wired.......... **46.95**
4 A 209. WG-297 HV Probe. For WV-77E. Extends DC range to 0,000 v. Requires Multiplier listed at right. 1 lb............ **11.95**

MODEL WV-98C (K) SENIOR VOLTOHMYST KIT. A VTVM designed for the professional or for the experimenter who wants something better. Has 1% precision resistors, 6½″ 200-μamp meter movement, ±3% accuracy. Ranges: AC and DC volts, 0-1.5-5-15-50-150-500-1500 v., PLUS 0-0.5 v. DC range; seven ohmmeter ranges to 1000 megohms. DC input resistance, 11 megohms. Frequency response 3 mc. With DC/AC-Ohms probe. For 105-125 v., 50-60 cycles AC. 6½x7x3¾″. 7 lbs.
94 A 210. *$5 Monthly*.......................... **57.95**
94 A 211. WV-98C. As above but wired. *$5 Monthly*...... **79.50**

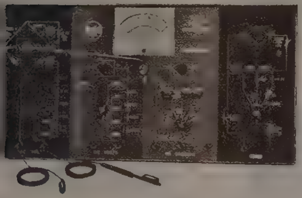
94 A 212. WG-289 HV Probe. Extends DC range of WV-98C Senior VTVM's to 50,000 v. Requires Multiplier. 1 lb.............. **11.95**

94 A 213. WG-206 Multiplier. For WG-289. 1090 meg to match 11 meg input. 2 oz.. **3.50**

94 A 214. WG-299D AC-DC-Ohms Probe. Replacement for use with WV98C Senior Volt Ohmyst. 1 lb...................... **7.95**

94 A 215. WG-301A Crystal Diode Probe. For WV98-C Senior Voltohmyst. Extends RF range to 250 mc. 8 oz................ **7.75**

RCA Electronic Educational Devices



Working Transistor Radio   Working VOM with 5″ Meter
Ea. Demonstration Kit Laid Out on a 24x12″ Schematic

WV-38A (K) VOM Kit with 5¼″ Meter

$29^95^

$5 monthly

Extra Low-Voltage DC Ranges, 250 Mv. and 1 V.

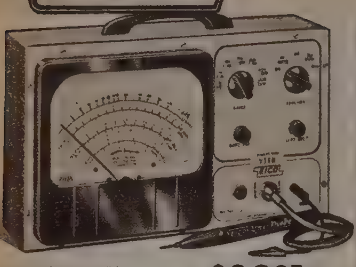
WE 95A (K) VOM DYNAMIC DEMON-TRATION KIT. Allows easy assembly; per-nits demonstration of all VOM functions and operations by a teacher. Use as an actual, fficiently functioning test instrument in all inds of practical class room activities. The WE-95 VOM has 5 DC (20,000 ohms/volt) nd AC (5000 ohms/volt) voltage ranges—-2.5-10-50-250-1000. Resistance: 12-1200-20,000 ohms center scale. DC current: 0--10-100-500 ma; 0-10 amps. Has wide-arc, ″ meter for easy viewing and accurate eading. Supplied complete with carefully etailed, easy-to-follow instructions; all com-onents and wire; a special instruction ooklet detailing each circuit's function nd operation. 10 lbs.
94 AU 217. *$5 Monthly*.......... **37.95**

WE 93A (K) TRANSISTOR RADIO DEMONSTRATION KIT. An excellent aid for class room or lab. Each part is placed in its proper position on the schematic, and is readily identified. Makes an outstanding demonstrator for the class room instructor. The radio itself has a sensitive superheterodyne circuit that pulls in many stations. Large circuit-panel for easy positioning of parts. Proximity of actual parts to schematic symbols simplifies teaching circuit tracing. Component installation is extra-simple because of special silver-plated spring connectors. Supplied complete with all parts and assembly instructions, plus a 304-page RCA Transistor Manual with a complete section on basic theory. 12 lbs.
94 AU 216. *$5 Monthly*.......... **39.95**

MODEL WV-38A (K) VOM KIT. Low-cost test instrument with extra quality features. Large 5¼″ meter for high readability and accuracy; extra low DC voltage ranges for transistor circuits; frequency response to 50 kc. Ranges: AC and DC v., 0-2.5-10-50-250-1000-5000 plus 0-0.251 v. DC; three ohms ranges to 20 megs; DC current, 0-50 μa, 0-1-10-100-500 ma plus 0-10 amps; db from −20 to +50 in 4 ranges. Input resistance: DC, 20,000 ohms/volt; AC, 5000 ohms/volt. Accuracy ±3%. With test leads. 6⅞x5¼x3⅛″. Shpg. wt., 5 lbs.
94 A 218. *$5 Monthly*.......... **29.95**
94 A 219. Model WV-38A. As above but factory wired. *$5 Monthly*.......... **43.95**
94 A 220. Model WG-270A Case. For above.......................... **4.95**

EICO

Test Equipment—Kit or Wired

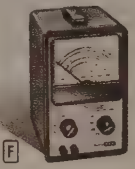


Model 249-K VTVM Kit with 7½" Meter **$39⁹⁵** **$5 monthly**

Deluxe peak-to-peak VTVM for color and monochrome TV servicing. Has big 7½" meter in "no-burn-out" circuit. Balanced-bridge circuit, 1% multiplier resistors, zero center scale, and "Uni-Probe." Ranges: p-p volts, 0-4-14-42-140-420-1400-4200 volts; DC/rms volts, 0-1.5-5-15-50-150-500-1500 volts. Response, 30 cps to 3 mc. Resistance, 0.2 ohms to 1000 megs in 7 ranges. Less solder. Size, 8½x13x5". For 105-125 v., 50-60 cycle AC. Shpg. wt., 9 lbs.
94 A 233. *$5 Monthly*.......... 39.95

MODEL 249-W. As above, but factory-wired.
94 A 234. *$5 Monthly*.......... **59.95**

E



F

E **MODEL 232-K VTVM KIT.** Same as 249-K above, but has 4½" meter. 8½x5x5". Shpg. wt. 5 lbs.
94 A 235. *$5 Monthly*.......... 29.95

MODEL 232-W. As above, but factory-wired.
94 A 236. *$5 Monthly*.......... **49.95**

F **MODEL 261-K AC VOLT-WATT METER KIT.** 2 meg input. AC v.: 0-.01-.03-.1-.3-1-3-10-30-100-300-1000. 0 db, 10 cps to 150 kc. ±4%. Power: 0-.15-1.5-15-150 mw; 0-1.5-15-150 w. 0 db, 10 cps to 100 kc. ±5%. Less solder. 8½x5¾x7". For 105-125 v., 50-60 cycle AC. Wt., 6 lbs.
94 AU 237. *$5 Monthly*.......... 49.95

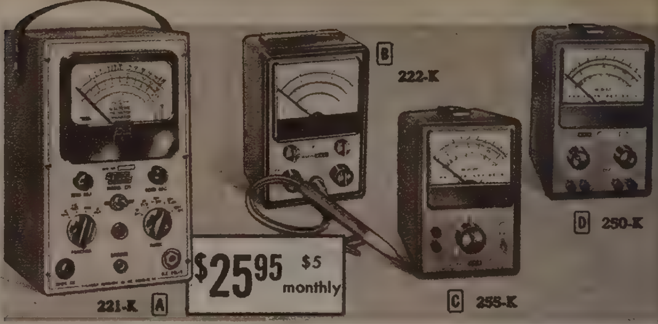
MODEL 261-W. As above, but factory-wired.
94 AU 238. *$5 Monthly*.......... **79.95**

HIGH VOLTAGE PROBE. Extends range of VTVM's to 30,000 volts. Wired. ½ lb.
94 A 239. HVP-1.......... **7.95**
94 A 240. For Models 214, 221.......... **6.95**
94 A 241. For Models 232, 249.......... **6.95**

UNIPROBE. AC/DC probe. Wt., ½ lb.
94 A 242. UP-K Kit.......... **4.95**
94 A 243. UP-W Wired.......... **6.95**

Probes for Eico VTVM's. Av. wt., 1 lb.

Stock No.	Type	Description	EACH
94 A 245	PTP-11-K	P-to-P Kit for 11 megs	4.95
94 A 244	PTP-11-W	As above, factory-wired	6.95
94 A 247	PTP-25-K	P-to-P Kit for 25 megs	4.95
94 A 246	PTP-25-W	As above; factory-wired	6.95
94 A 249	PRF-25-K	RF kit for 25 megs	3.95
94 A 248	PRF-25-W	As above, factory-wired	4.95
94 A 251	PRF-11-K	RF kit for 11 megs	3.95
94 A 250	PRF-11-W	As above, factory-wired	4.95



A Model 221-K VTVM Kit

Sensitive 20-range VTVM with 25-meg DC input, protected 4½" meter, 1% multiplier resistors, zero-center scale, and balanced bridge. Ranges: AC-DC v., 0-5-10-100-500-1000; resistance, 0-1000 megs in 5 ranges. Response, 30 cps to 3 mc. −20 to +55 db. Accuracy: DC, ±3% full scale; AC, ±5% full scale. Complete with leads and "Uni-Probe". Less solder. 9⁷⁄₁₆x16x5". For 105-125 volts, 50-60 cycle AC. 7 lbs.
94 A 252. *$5 Monthly*.......... 25.95

MODEL 221-W. As above, but factory-wired.
94 AX 253. *$5 Monthly*.......... **39.95**

B Model 222-K VTVM Kit

Similar to Model 221-K above, but with 11-meg DC input. Ranges: AC-DC v., 0-3-15-75-300-1500; resistance, 0.2-1000 meg in 5 ranges. 8½x5¾x7". Shpg. wt., 7 lbs.
94 A 254. *$5 Monthly*.......... 27.95

MODEL 222-W. As above, but factory-wired.
94 AU 255. *$5 Monthly*.......... **42.95**

C Model 255-K AC VTVM Kit

Lab-sensitive 12-range unit. Frame-grid triode cathode-follower input circuit; 2-stage R-C coupled amplifier. Range: 1-3-10-30-100-300 rms mv; 1-3-10-30-100-300 rms v. Flat from 0 db 10 cps to 600 kc. Decibel range. −80 to +52. Accuracy, ±3% of full scale. Less solder. 8½x5¾x7". For 105-125 v., 50-60 cycle AC. 7 lbs.
94 A 256. *$5 Monthly*.......... 44.95

MODEL 255-W. As above, but factory-wired.
94 A 257. *$5 Monthly*.......... **72.95**

D AC VTVM and Amplifier Kit

MODEL 250-K. Same VTVM as Model 255-K above, but features a special switch that converts VTVM to an amplifier with a 60-db gain on 1-mv range. Maximum amplifier output, 5 volts rms. Response; +0 −3 db, 8 cps to 800 kc. Shpg. wt., 7 lbs.
94 A 258. *$5 Monthly*.......... 49.95

MODEL 250-W. As above, but factory-wired.
94 AU 259. *$5 Monthly*.......... **79.95**

Value-Packed VOM Kits

G
566-K
H
536-K
J
565-K

G **MODEL 566-K VOM KIT.** Has easy-to-read 4½" meter for 38 ranges. Rectifier in dual half-wave hook-up. Uses divider resistors. AC/DC ranges: 0-1-5-10-50-100-500-5000 v. at 1000 ohms per v. (full scale-zero-to-one-volt range); 0-1-10 ma and 0.1-1 amps.; 0-5000-100,000 ohms, 0-1 meg; 6 db ranges, −20 to +69. With batteries. Less solder and leads. 6¾x5¼x3". 3 lbs.
94 A 260.......... 16.95
94 A 261. 566-W. Above, wired.......... **22.95**

MODEL 556-K. Same as 566-K, but has 1% precision resistors.
94 A 262.......... **18.95**
94 A 263. 556-W. Above, wired.......... **25.95**

H **MODEL 536-K.** Similar to 566-K, but has 3" meter and 31 ranges.
94 A 264.......... **14.95**
94 A 265. 536-W. Above, wired.......... **18.95**

MODEL 526-K. Same as 536-K (at lower left), but has 1% precision resistors.
94 A 266.......... **15.95**
94 A 267. 526W. Above, wired.......... **19.95**

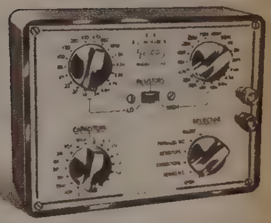
J **MODEL 565-K VOM KIT.** A 31-range VOM. 20,000 ohms/volt DC sensitivity and 4½" meter with 50 μa movement. Ranges: AC-DC, output volts, 0-2.5-10-50-250-1000-5000 (AC at 1000 ohms/v.); DC, 0-100 μa, 0-10-100-500 ma, 0-10 amps; 0-2000-200,000 ohms, 0-20 megs; −12 to +55 db in 5 ranges. With batteries. Less leads, solder. 6¾x5¼x3". 4 lbs.
94 A 268. *$5 Monthly*.......... 24.95
94 A 269. 565-W. Above, wired.......... **29.95**

MODEL 555-K. Same as 565-K, but has 1% precision resistors.
94 A 270. *$5 Monthly*.......... **29.95**
94 A 271. 555-W. Above, wired.......... **34.95**

For Hobbyists or Repairmen

EICO

C 1171-K
Changes Resistance at Flip of a Switch
$24.95
$5 monthly
A 950B-K $23.95 $5 monthly
B 955-K $19.95 $5 monthly



Model 1140-K R-C Combination Box Kit $14.95

A Model 950B-K R-C Bridge Kit

Also R-C-L comparator. Measures (4 ranges) 0.5 ohms to 500 megs and 10 mmf to 5000 mfd. .05 to 20 comparator range. Variable 0-500 v. DC-source tests capacitors for shorts and leakage. Measures power factor of electrolytics. Less leads. 8x10x4¾". For 105-125 v., 60 cycle AC. Wt., 10 lbs.

94 A 101. *$5 Monthly*.......... 23.95
94 AU 100. 950B-W. Above, wired. **29.95**

MODEL 1100-K RESISTANCE SUB. BOX KIT. (Not illus.) Gives values in multiples of ten of 15, 22, 33, 47, 68, 100 ohms, from 15 ohms to 10 megs (1 watt, 10%). 3¾x6½x3½". Less leads. Wt., 2 lbs.

94 A 109..................... 7.95
94 A 108. 1100-W. Above, wired.. **12.95**

MODEL 1120-K CAPACITOR SUB. BOX KIT. (Not illus.) 0.0001 to 0.22 mfd in 18 steps. ±10% acc. Most 600 v.; others 400 v. 3¾x6½x3½". Less leads. 2 lbs.

94 A 113 .... 6.95
94 A 112. 1120-W. Above, wired.. **10.95**

B Capacitor Tester Kit

MODEL 955-K. Measures capacitance and checks for shorts and opens in or out of circuit. Wien bridge permits in-circuit measurement (0.1 to 50 mfd) at low shunting resistance. ±10% accuracy. Short Test: reliable up to 2000 mfd; shunt resistance may be as low as 1 ohm. Open Test: checks capacitors as small as 15 mmf; shunt resistance low as 35 ohms for in-circuit testing. 4" dial. 8½x5¾x6". Less leads. For 105-130 v., 60 cycle AC. Wt., 3 lbs.

94 AU 103. *$5 Monthly*.......... 19.95
94 AU 102. 955-W. Above, wired. **39.95**

C Resistance Decade Box Kit

MODEL 1171-K. Permits changing resistance in working circuit at flip of switch. May be used alone or with 950B-K R-C bridge (at left). Values from 0 to 99,999 ohms. 0.5% accurate resistors. 3½x12x3". Less leads. Shpg. wt., 3 lbs.

94 A 107. *$5 Monthly*.......... 24.95
94 A 106. 1171-W. Above, wired.. **29.95**

A versatile combination of Models 1100-K and 1120-K (at left). Has facilities for selection of either R alone, C alone, or series or parallel combinations for R and C (1350 combinations). Resistance values from 15 ohms to 10 megs; capacitance values from 0.0001 to 0.22 mfd. Minimum accuracy ±10%. Resistors are 1-watt carbon; capacitors are silver-mica or molded/impregnated plastic—most are rated at 600 WVDC. May be substituted in operating circuit to determine value. 5-way binding posts. 5⁵⁄₁₆x6⅞x2⁵⁄₁₆". Less leads. 3 lbs.

94 A 111.................... 14.95
94 A 110. 1140-W. Above, wired.. **19.95**

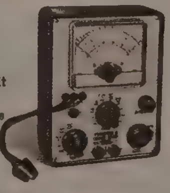
Capacitor Decade Box Kit

MODEL 1180-K. (Not illus.) 100 mmf to .111 mfd in 100 mmf steps. 350 WVDC. ±1% accurate silvered micas. Positive detent ceramic switches. Zero capacitance: 7 mmf. 9x3½x3½". Less leads. Wt., 3 lbs.

94 A 105.................... 17.95
94 A 104. 1180-W. Above, wired.. **24.95**

Tests All Types of Transistors

5 DC Current Ranges, 2 DC Volt Ranges, and 3 Resistance Ranges



$25.95
$5 monthly

Transistor Tester Kit

MODEL 680-K. Accurately measures basic transistor and diode characteristics. Measures I_{CBO}, I_{CEO}, DC Beta; simulated AC Beta. 20,000 ohm/v. meter reads 0-5-50 DC volts; 0-2000-200,000 ohms and 0-20 megs; also 0-50-500 µv and 0-5-50-500 ma DC. High-impact plastic case, 3x5¼x6¾". With leads and batteries. Shpg. wt., 3 lbs.

94 A 149. *$5 Monthly*.......... 25.95
94 A 148. 680-W. Above, wired... **39.95**

Continuity Tester Kit

MODEL 612-K. (Not illus.) Battery-powered filament continuity checker. Rapidly checks filaments of tubes in an inoperative series string. Neon lamp indicator. CRT adapter plug. 7-pin, 9-pin, octal and loctal sockets. Aluminum panel, bakelite case. With batteries. 6¼x3¾x2". Wt., 2 lbs.

94 A 221.................... **4.95**
94 A 222. 612-W. Above, wired.... **6.95**

540-K All-in-One Tester
$12.95
G
D 710-K
E 584-K
944-K F
Many Uses

D **MODEL 710-K GRID-DIP METER KIT.** Operates as oscillating detector or wavemeter—covers 400 kc to 250 mc in 8 ranges. Finds frequencies of oscillators, pre-tunes and neutralizes transmitters, etc. Sensitivity control; 500 µa meter; 1:7 drive ratio; phone jack; plug-in coils. 2¼x2⁹⁄₁₆x6⅞". For 110-120 v., 60 cycle AC. 3 lbs.

94 A 223. *$5 Monthly*.......... 29.95
94 A 224. 710-W. Above, wired... **49.95**

E **MODEL 584-K BATTERY TESTER KIT.** Quickly checks batteries used in portable radios, hearing aids, flashlights, etc. Test Switch Positions (volts): 1.5, 4.5, 6.0, 7.5, 9.0, 22.5, 45, 67.5, 75, 90, plus spare. Large, easy-to-read 3½" meter. Bakelite case, aluminum panel. 6¼x3¾x2". Complete with leads. Shpg. wt., 2 lbs.

94 A 225.................... 9.95
94 A 228. 584-W. Above, wired... **12.95**

F **MODEL 944-K FLYBACK TESTER KIT.** Spots defective flyback transformers and yokes in black-and-white and color TV. Checks continuity of yokes, speakers, etc. Features grid-dip principle and separate calibrations. 4½" meter with 3 separate colored scales. 5x8½x5". For 105-125 v., 60 cycle AC. Wt., 5 lbs.

94 A 229. *$5 Monthly*... ...... 23.95
94 A 230. 944-W. Above, wired... **34.95**

G **MODEL 540-K READI-TESTER KIT.** AC-DC voltmeter, ammeter, ohmmeter, wattmeter, leakage tester. Ranges: AC/DC volts, 0-7.5-15-150-300; AC/DC amps, 0-15; Resistance, 0-1000 ohms. Neon indicator, 3½" meter. Panel outlet for current metering. Complete with batteries and leads. 6½x3¾x3½". Shpg. wt., 3 lbs.

94 A 231.................... 12.95
94 A 232. 540-W. Above, wired... **15.95**

EICO Reliable, Easy-to-Build

Wideband, DC Coupled Scope Kit

$89.95

$5 monthly

For Color or Black-and-White TV

460-K Oscilloscope Kit

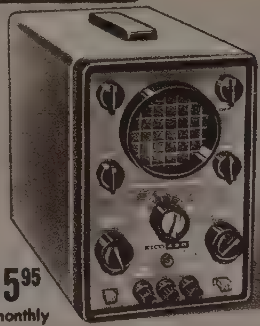
- **Vertical Response from DC to 10 MC**
- **Edge-Lit Grating with Dimmer**

Wideband, for color and monochrome TV. Response is flat from DC to 4.5 mc, usable to 10 mc. Easily reproduces 3.58-mc color TV synchronizing burst. Vertical sensitivity, 25 mv/inch. Permits peak-to-peak measurements. Input impedance, 3 megs shunted by 35 mmf. Four position input attenuator. Full-screen DC vertical positioning. 2X horizontal positioning. Sweep: 10 cps to 100 kc, plus-low frequency sweep. 13x8½x16". For 105-125 v. 50-60 cycle AC. 32 lbs. Express.
94 AU 158. *$5 Monthly*........**89.95**

MODEL 460. As above, but factory-wired.
94 AU 157. *$7 Monthly*......**129.50**

SCOPE PROBES. Shielded. For 460-K and 430-K scopes.

Stock No.	Type	Description	EACH
94A 151	PSD-K	Demodulator Probe Kit	3.95
94A 152	PSD	As above, but wired	5.95
94A 153	PD-K	Direct Probe Kit	2.95
94A 154	PD	As above, but wired	3.95
94A 155	PLC-K	Low-Capacity Probe Kit	3.95
94A 156	PLC	As above, but wired	5.95



$65.95

$5 monthly

430-K 3" Oscilloscope Kit

Takes up little space on the bench—less than ½ cubic foot! Compact and lightweight general-purpose oscilloscope with 3" flat-face CRT and mu-metal neck shield. Great performer for industrial, servicing, home laboratory or Ham shack use. Ideal for modulation monitoring. 1500-v. accelerating potential gives sharp, high-luminescence trace.
Vertical Amplifier: flat from 2 cps to 500 kc; −6 db at 1 mc. Sensitivity 25 mv/cm; cathode-follower input; fine attenuator plus a 2-position LO-HI (100/1) frequency compensated coarse attenuator; input impedance 1 meg shunted by 30 mmf. Horizontal Amplifier: flat from 2 cps to 300 kc; sensitivity 0.25 v. rms/cm; cathode-follower input with fine attenuator; input imp. 10 megs shunted by 40 mmf.
Sweep Circuit: recurrent sweeps from 10 cps to 100 kc in 4 ranges; automatic sync on all ranges; full retrace blanking; 60-cps sine wave sweep. 8½x5¾x11¼". For 105-125 v., 60 cycle AC. 11 lbs.
94 AU 309. *$5 Monthly*......**65.95**

$29.95

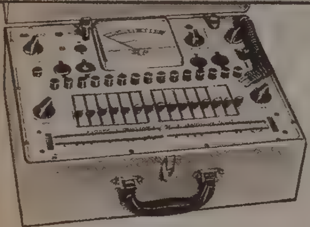
$5 monthly

147-K Deluxe Signal Tracer Kit

Eico's outstanding signal tracer for fast trouble-shooting, in easy-to-build kit form. Has high- and low-gain RF channels with internal wide range demodulator—permits direct observation of signal. Output for VTVM or oscilloscope. Use as speaker, output transformer, or amplifier. Features RF, AF visual-aural monitoring, magic eye tube, 5" speaker, watt-meter, noise localizer and hum balance. Gray portable case, 9x10x5". Complete with all probes; less solder. For 105-125 volts, 60 cycle AC. Shpg. wt., 10 lbs.
94 A 131. *$5 Monthly*........**29.95**

MODEL 147. Signal tracer as above, but factory-wired. Shpg. wt., 10 lbs.
94 A 130. *$5 Monthly*........**44.95**

488-K ELECTRONIC SWITCH KIT. (Not illustrated.) For viewing 2 patterns on 1 scope. Variable switching. ±2 db, 0-30,000 cps. 6x8x6". Less leads. For 105-125 v., 60 cycle AC. 7 lbs.
94 A 160. *$5 Monthly*........**23.95**
94 A 159. **Model 488. Wired**....**39.95**



Tube and Transistor Tester Kit

Model 667-K

$79.95

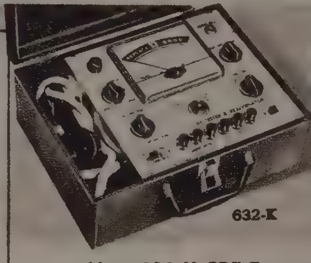
$5 monthly

- **Tests All Tubes—Including the Latest Types**
- **Reads Leakages to 10 Megohms**
- **Tests Transistors for Gain**

MODEL 667-K. Combines mutual conductance (Gm) and plate conductance (Gp) tests in one dynamic conductance test with a peak emission test—gives a single reading of tube quality. Also spots bad NPN and PNP transistors by gain and leakage tests. Tests almost every receiving tube made including: nuvistors, novars, compactrons, miniatures, subminiatures, octals and loctals. Also checks many special-purpose tubes, voltage regulators, cold-cathode regulators, electron-ray indicators, etc. Multi-circuit level switch; 15 tube-element pushbutton switches. 4½" 200 μv D'Arsonval meter; roll-chart window. 4½x15x12". For 105-130 v., 60 cycle AC. 20 lbs.
94 AX 143. *$5 Monthly*......................**79.95**

94 AX 142. **Model 667.** As above, but factory wired **129.95**

94 A 144. **CRT Adapter.** (Not illus.) Adapts 628, 667 for testing color and b/w TV pix tubes. 1 lb...............**9.95**



632-K

628-K

New 632-K CRT Tester and Rejuvenator

For color or black-and-white CRT's. 1000 v. DC for repairing CRT's, 150 v. variable grid cut-off voltage, variable filament supply. Tests for shorts, opens, beam current, gas and life. 9¾x12x5". 105-130 v., 60 cycle AC. Shpg. wt., 12 lbs.
94 AU 310. *$5 Monthly*..............................**54.95**
94 AU 311. **Model 632.** As above, but wired. *$5 Monthly.* **79.95**

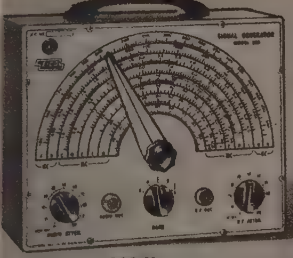
628-K Tube Tester Kit

Tests tubes for emission, shorted elements, open elements, continuity. Tests miniatures, octals, loctals, nuvistors, novars, compactrons. Uses CRU adapter at left. 4½" meter. Fused. 4¼x12½x9½". For 105-125 v., 60 cycle AC. Wt., 14 lbs.
94 AX 146. *$5 Monthly*..............................**44.95**
94 AX 145. **Model 628.** As above, factory wired.........**59.95**
94 AX 147. **Model L-1.** Lid for models 628-K, 628. 2 lbs....**3.98**

610 ADAPTER. (Not illus.) Adapts older 666 and 625 tube testers for nuvistors, novars, 10-pins, compactrons. 1¼x2½x6". 1 lb.
94 A 312. **Kit**......**5.95** **94 A 313.** **Wired**..........**11.95**

Test Equipment Kits

EICO


320-K
$5 monthly $24.95

315-K
$5 monthly $49.95

High
Accuracy
at Low Cost
Model 324-K
$28.95
$5 monthly

HIGH-OUTPUT RF SIGNAL GENERATOR KITS

MODEL 320-K. Stable Hartley RF oscillator. Covers 150 kc to 34 mc on 5 fundamental bands: 150-450 kc, 450-1250 kc, 1.25-4 mc, 4-12 mc, 11-34 mc. 2 calibrated harmonic bands: 22-68 mc, 33-102 mc. RF output, over 1 volt. Audio output, 1½ to 2 volts. Unmodulated or 400-cps modulation through Colpitts oscillator. AF and RF attenuators. 9" dial. 8x1x4¾". Less solder. 105-125 v., 50-60 c. AC. 10 lbs.
94 A 303. *$5 Monthly*..........24.95

MODEL 320. As above, but factory wired.
94 A 304. *$5 Monthly*..........**33.95**

MODEL 322-K. Kit, as above, but with individual calibration of each of 5 bands.
94 A 305. *$5 Monthly*..........**27.95**

MODEL 322. As above, but factory wired.
94 A 306. *$5 Monthly*..........**38.95**

MODEL 315-K. Deluxe in detail and performance. Dial frequency-readings accurate within 1% on all 7 ranges. Covers 75 kc to 50 mc on 5 ranges. Calibrated harmonics, 13 mc to 150 mc on 2 ranges. Internal 400-cps audio with attenuator for RF modulation. RF output, over 1 v.

Provision for external modulation. Bandspread vernier tuning. Illuminated dial and gear-driven, anti-backlash, hairline pointer protected by glass. Regulated power supply for unfailing accuracy. Shielded chassis plus line filter for low leakage output. Size, 13x12x7". Less solder. 105-125 volts, 50-60 cycle AC. Shpg. wt., 20 lbs.
94 AX 133. *$5 Monthly*....... 49.95

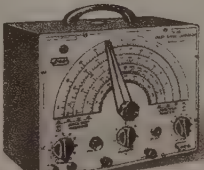
MODEL 315. As above, but factory wired.
94 AU 132. *$5 Monthly*.........**69.95**

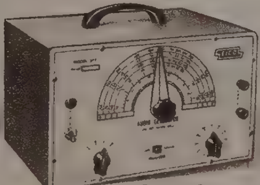
MODEL 324-K. Provides modulated or unmodulated RF signal from 150 kc to 435 mc. Has expanded frequency range—6 fundamental bands: 150-400 kc, 400-1200 kc, 1.2-3.5 mc, 3.5-11 mc, 11-37 mc and 37-145 mc. One harmonic band covers 111-435 mc. Calib. accuracy, ±1.5%. Output, 50 ohms.

Internal modulation of 400 cps variable from 0 to 50%; can be used for audio testing. Input has gain control for use with external modulator. Colpitts RF oscillator is directly modulated by cathode follower. Fine and coarse RF attenuators. 6:1 vernier tuning. 8x10x4¾". Less solder. For 105-125 v., 50-60 cycle AC. 10 lbs.
94 A 141. *$5 Monthly*..........28.95

MODEL 324. As above, but factory wired.
94 A 140. *$5 Monthly*..........**39.95**

145-K


360-K


377-K Sine and Square Waves

369-K

145-K Signal Tracer Kit

Features high-gain RF and low-gain audio input channels for signal tracing and troubleshooting RF, IF and audio stages of AM, FM and TV receivers. More than enough RF gain to trace up to receiver input—signal is heard through built-in 5" PM speaker. Individual panel receptacles allow easy changeover from RF to AF tracing.

Noise localizer circuit applies DC test voltage through probe to suspected component and simultaneously picks up and amplifies effect. May be connected as test speaker, amplifier or output transformer. Has output for VTVM or scope.

Transformer-operated for maximum isolation and safety. Size, a compact 7 13/16x5 9/16x5 1/16". With shielded RF crystal demodulator and direct probes. For 105-125 v., 60 cycle AC. Wt. 7 lbs.
94 A 139. *$5 Monthly*..........23.95

MODEL 145. Signal tracer as above, but factory wired. Wt., 7 lbs.
94 A 138. *$5 Monthly*..........**32.95**

360-K Sweep Generator Kit

For alignment of VHF-UHF TV and FM receivers. Covers 500 kc to 228 mc. Variable sweep, 0-30 mc. Crystal marker oscillator. Less 5 mc crystal, solder. 8x10x6¾". For 105-125 v., 50-60 cycle AC. 12 lbs.
94 A 137. *$5 Monthly*..........39.95

MODEL 360. As above, but factory wired.
94 AX 136. *$5 Monthly*..........**59.95**

377-K Sine and Square Wave Audio Generator Kit

Uses 1% resistors. Sine wave range: 20-200,000 cps in 4 bands, ±1½ db from 60-150,000 cps, less than 1% distortion. Square wave range: 60-50,000 cps in 4 bands. 5% tilt at 60 cps. 5% rounding at 30,000 cps. Output: 10 v. across 1000 ohms. Hum is less than 0.4% of rated output. Calibration accuracy, ±3% or 1 cps. 7⅛x11⅛x7⅝". For 105-125 v., 50-60 cycle AC. 14 lbs.
94 AX 135. *$5 Monthly*........ 37.95

MODEL 377. As above, but factory wired.
94 AU 134. *$5 Monthly*..........**54.95**

369-K TV-FM Sweep and Marker Generator Kit

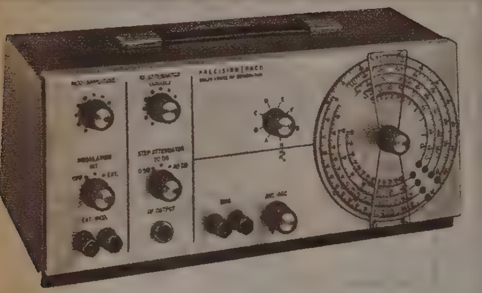
TV/FM aligning unit features post-injection marker. Sweep signal is fed only to IF strip being aligned. At output end, demodulator cable picks off signal and feeds it to mixer stage in generator where markers are added. This means marker signals are unaffected by receiver circuitry—traps in receiver cannot reduce or eliminate marker.

No moving parts to wear. Sweep generator has 5 fundamental ranges from 3.5 to 316 mc. Variable frequency marker provides output on 3 fundamental ranges from 2 to 60 mc. Has 60 to 225-mc range on harmonics. 4.5-mc crystal supplied for rapid check of marker generator alignment. 6:1 vernier dial; 360° scale. Blanking and 3-stage AGC circuits. Impedance, 50 ohms. 6 tubes; rectifier. 8½x12½x7". Less solder. For 105-125 v., 50-60 cycle AC. 16 lbs.
94 AU 307. *$5 Monthly*........89.95

MODEL 369. As above, but factory wired.
94 AU 308. *$5 Monthly*........**139.95**

PRECISION | PACO

Famous Portable Test Instruments



New SS200 Solid-State Wide-Range RF Signal-Marker Generator

$109 95 $6 monthly

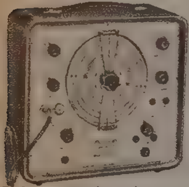
- 5 Transistors • ±1% Accuracy
- 5½" Brushed Aluminum Dial
- Hand Calibrated Per Lab Standards

Highly sensitive, deluxe solid-state signal-marker generator for AM, FM and TV alignment. Features utmost mechanical stability. Individually hand-calibrated on each band against laboratory crystal standards. Has ±1% accuracy on 10 easy-to-read ranges. Frequency coverage: 80 kc to 440 mc (up to 110 mc on fundamentals).

Direct-reading 5½" brushed aluminum dial. RF output: unmodulated, 400-cycle modulated up to 50%, and externally modulated up to 80%. 1-volt rms output with 2-step, 0-20 and 0-40 db attenuator fully adjustable at front panel, giving output from 1 μv to 1 volt.

Built-in AVC-AGC bias substitution—continuously variable bias voltage, 0 to −9 volts. Shielded RF attenuators provide exceptionally low radiation. In blue steel cabinet, 6¾x15¼x6½". Heavy gauge extruded satin-brushed aluminum panel. Complete with output cable, battery and instruction book. Shpg. wt., 13 lbs.

94 AU 314. *$6 Monthly*.......................... 109.95



Model 200C Signal-Marker Generator with 1% Accuracy

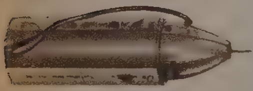
$109 95 $6 monthly

- 10 Easy-to-Read Ranges
- Each Unit Is Individually Hand Calibrated

Deluxe signal-marker generator for AM, FM and TV alignment. Has ±1% accuracy on 10 easy-to-read ranges. Frequency coverage: 88 kc to 440 mc (to 110 mc on fundamentals). Direct-reading 6½" dial has 0-1000 vernier scale. Outputs: unmodulated RF; 400-cycle modulated RF; externally modulated RF; and 400-cycle sine-wave output. Supplies 0-50 volts AVC-AGC voltage. Individually hand calibrated. Has dual RF attenuators. Rugged steel case, 11½x13x6⅝". Complete with coax cable, connectors and instruction manual. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 17 lbs.

94 AU 289. *$6 Monthly*.......................... 109.95

New Model PT-1 Probe Tracer



$19 95 $5 monthly

5 Transistors

Sensitivity, 300 μv

Transistorized, battery-operated RF-AF tracer with sensitivity of 300 μv for full output. Picks up signal at antenna input as well as low-level mikes, phono pickups, etc. High gain, 5-transistor amplifier supplies up to 350-mw across built-in speaker at rear of probe. Demodulates FM and AM at RF, IF levels; amplifies AF. Output jack and gain control. Requires 9-v. Eveready #216 battery. $7\frac{1}{16}$x$2\frac{3}{16}$". 1 lb.

94 A 288. *$5 Monthly*.. 19.95

Deluxe Model 120 Multi-Range Precision VOM

61 Ranges **$47 95** $5 monthly

- 20,000 Ohms/Volt DC
- 5000 Ohms/Volt AC
- 1% Precision Resistors
- 50-Microamp 5½" Meter
- ± 2% Full-Scale Accuracy
- Polarity Reversing Switch

Very sensitive instrument has 61 ranges. 1% precision resistors. 50-microamp, 5½" meter with ±2% full-scale accuracy. Mirrored scale. Polarity reversing switch. Ranges: AC, +DC, −DC, output v., 0-0.3-1.2-3-12-60-300-600-1200-6000 with 5000 ohms per volt on AC and 20,000 ohms per volt on DC; DC, 0-60-300 μa, 0-1.2-12-120-600 ma, 0-12 amps; 0-200-2000-200,000 ohms. 0-2-20 megs; 8 decibel ranges, −20 to +77. Has full-view polished mirror-scale to eliminate parallax and permit easier, accurate reading. "Transit" position on range selector protects meter while being transported. 7x5⅜x3". With batteries, leads. Phenolic case. 5 lbs.

94 A 283. *$5 Monthly*.......................... 47.95

94 A 285. LC-3 "Eveready" Case. Shpg. wt., 3 lbs...... **10.50**

94 A 315. ST-1 Retractable Stand. Shpg. wt., 1 lb.......... **1.00**

Model T62W Tube Tester

Tests miniatures, compactrons, nuvistors, novars, novals, voltage regulators, industrial, European types. Checks for shorts, opens and continuity. Checks CRT's (with optional adapter, below). 9x13x14½". For 110-120 v., 60 cycle AC. Shpg. wt., 11 lbs.

94 AU 316. *$5 Monthly*.......................... 69.95

94 A 317. PTA CRT Adapter. Shpg. wt., 1 lb. **9.95**

Model G32W Sweep Generator

Built-in marker-adder avoids overloading of receiver circuits when inserting markers. Fundamental sweep frequency, 3-213 mc in 5 ranges. Width continually variable from 0-30 mc. Dual attenuators control RF output. AGC regulates voltage amplitude on any band. Output imp., 50 ohms. Use with marker generator. 8½x13x7". With 4.5-mc crystal. For 110-120 v., 50-60 cycle AC. Wt., 10 lbs.

94 AU 286. *$8 Monthly*.......................... 159.95

OPEN AN ALLIED CREDIT-FUND ACCOUNT

GET THE EQUIPMENT YOU WANT NOW

It's easy! Just fill out the application on back of order blank. You'll boost your buying power of everything in electronics! Monthly payments fit your budget. Take over two years to pay. Add-on orders require no down payment.

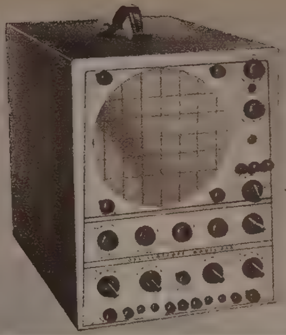
Popular Test Instruments for Every Need

Precise OSCILLOSCOPES

PRECISE 300CK
7" Scope Kit

7" CRT $169.95

- **Vertical Response, ±2 db—5 megs, 10MV/inch Sens.**
- **Electronic Magnifier Circuit**
- **Astigmatic Focus Control**



As Low As $28.50

$5 monthly

Universal Yoke Matches All TV Picture Tubes

Vertical response, ±2 db, DC through 5 megacycles with sensitivity of 10MV/inch. Frequency-compensated vertical and horizontal stepping attenuators. Push-pull vertical and horizontal amplifiers. Astigmatic focus control. Linear sweep from 1 cycle to 80 kc. Internal calibration wave form with pot. Electronic magnifier circuit allows any portion of signal to be magnified up to 10 times. Bridge-type positioning on vertical and horizontal does not vary tube characteristics. Synchronization: external, internal positive, internal negative, internal 60-cycle, internal 120-cycle. 11x14x17". With all parts; less solder. For 110-120 v., 60 cycle AC. Wt., 35 lbs.

94 AU 318. *$9 Monthly* 169.95

94 AU 319. Model 300CW. As above, but factory-wired. **229.95**

7 Direct-Reading Scales $68.85

"Mosquito"
Stethotracer

MILLEN Grid-Dip Meter

MODEL 90651. 2" meter and 0-100 scale. Plug-in coils for 1.7-300 mc. 2 "on-off" switches for filament, plate; terminals for battery. Transformer supply. 7x3 3/16x3 3/8". For 110-120 v., 50-60 cycle AC. Storage case. 3½ lbs.

94 A 324. *$5 Monthly*.... 68.85

EXTRA COILS. For covering frequencies from 220 to 2000 KC. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Range KC	EACH
94 A 325	46702	925-2000	8.25
94 A 326	46703	500-1050	
94 A 327	46704	325-600	
94 A 328	46705	220-350	

DONBOSCO "Mosquito"

Pen-size signal injector for locating defective circuits quickly and accurately. Cordless, with detachable probe, generates audio signal rich in IF and RF harmonics. Self-contained transistor oscillator powered by a single 1.5-volt penlight cell. Can be coupled into magnetic circuits without leads. 5⅝" long, and ½" in diameter. Wt., 3 oz.

94 A 301. .... 9.95

STETHOTRACER. Detects or demodulates any low-level mw audio or modulated RF signal. 60 cps-200 mc. With earphone, cord, plug, 3 probes, lead and battery wt., 3 oz.

94 A 292. *$5 Monthly*... 34.95

AMPROBE Junior Volt-Amp Testers

Snap-around volt-amp testers. 3% accuracy of full scale. ½" conductor capacity. Voltage range; 0-125-250, except *0-150-600. With leads, less case. Wt., 1 lb.

Stock No.	Model	Amps	EACH
69 F 088	Y10	0-10	19.85
69 F 089	Y25	0-25	
69 F 091	Y50	0-50	
69 F 092	Y100	0-100	
69 F 167	Y525*	0-25	19.85
69 F 168	Y550*	0-50	
69 F 169	Y500*	0-100	

69 F 105. Case for above **2.85**

I.E.H. 8" Tele-Check CRT Substitutor

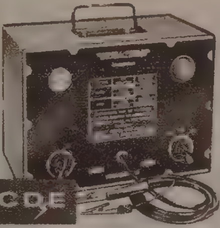
MODEL CR-118. Portable CRT substitution unit is self-fo cusing. No ion trap needed. Excellent for checking picture tubes of TV sets with electrostatic or electromagnetic fo cusing, that have 52°, 66°, 70°, or 90° yokes. The Mode CR-118's universal yoke is interchangeable with the yoke of any set. Horizontal and vertical lines on the front plate help in making accurate picture adjustments. Complete with carrying case, 60-ft. CRT socket extension leads, anode and yoke connecting leads, face plate and 8XP4 CRT. Com pact size, 12x11½x15". Shpg. wt., 12 lbs.

94 AU 320. *$5 Monthly*........ 44.95

94 AU 321. Model CR-168. As above, but with 8YP4 CRT 110° universal yoke. Wt., 12 lbs. *$5 Monthly*....... **54.50**

94 AU 322. Model CR-167. As above, but less picture tube Takes 8YP4. Wt., 9½ lbs. *$5 Monthly*........ **28.50**

94 AU 323. Model CR-168S. Same as CR-168, plus tes speaker. Wt., 15 lbs. *$5 Monthly*........ **64.50**



CDE BF90
Capacitor Checker

$41.75 $5 monthly

- "Magic-Eye" Tube
- In-Circuit Checks
- Checks 30-2000 mfd
- Real Time-Saver

Quickly checks capacitors without removing them from circuit, by means of 60-cycle current and circuit incorporating a "Magic-Eye" indicator tube. Checks all capacitors from 30 mmf to 2000 mfd for open, short or intermittent conditions; from .1 mfd to 2000 mfd for short circuit. Capacitors can be tested even when they are connected in parallel with a resistance as low as 50 ohms—a real help to the serviceman who wants to be spared time and trouble of unsoldering a lead. 7x10x5½". Complete with leads and test clips. For 110-125 v., 60 cycle AC. Wt., 6 lbs.

69 FX 629. *$5 Monthly*........ 41.75

Protect Your Meter With Metergard

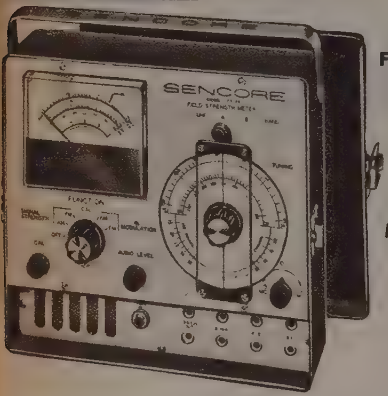
Now you can easily protect your meter movement against burnouts, bent pointers, and damaged pivots, with the dependable Metergard. Newly-developed, fully tested device is used in all the latest Simpson and Triplett VOM's for reliable protection. In size, no larger than a paper capacitor, Metergard wires across any meter from 25 μa to 25 ma. Provides meter movement with protection against 10,000% overload. Shpg. wt., 4 oz.

65 F 627. .... 2.95

Easily Installed

Latest Test Equipment Releases

SENCORE *For VHF, UHF and FM bands*



Portable Field Strength Meter

5 Microvolt Sensitivity on VHF and FM; 15 Microvolts on UHF

Model FS134

$199^50

$10 monthly

SENCORE

FM Stereo Multiplex Generator/ Analyzer

Transistorized, Crystal-Controlled

Model MX129

$169^50

$9 monthly

SENCORE
MX129 FM MULTIPLEX GENERATOR AND ANALYZER

• Battery Operated For Portability Plus Versatility

Completely transistorized, battery-powered, portable field strength meter for VHF, UHF and FM. Costs less than many meters that cover only two of these bands. First band is 50-110 mc (Ch. 2-6 and FM); second band, 160-230 mc (Ch. 7-13); third band, 460-900 mc (Ch. 14-83). Sensitivity on VHF and FM is 5 µv with accuracy ±3 db; 15 µv with accuracy ±6 db on UHF. 4" meter has two scales, 60 db and 5-5000 µv, and X10 and X100 plug-in attenuators. Also indicates % modulation. IF and image rejection greater than 60 db on VHF/FM; 30 db on UHF. Input impedance 300 ohms, or 70 ohms with plug-in transformer. 500 kc bandwidth. 9½x10½x5". With batteries. Wt. 12 lbs.

94 AU 340. *$10 Monthly*........................ 199.50

• Audio Signals Can Be Fed Into Unit To Demonstrate Stereo

FM stereo generator at a cost that brings it out of the lab and into the hands of the profit conscious serviceman. Like having an FM stereo transmitter—audio signals can be fed into "EXT SIG" jacks to demonstrate stereo. Generates FM-RF carrier with composite MX audio signal plus 38 kc suppressed carrier, 19 kc pilot and 67 kc SCA signal. 1 kc internal generator plus 60 cycle tone for testing. Built-in meter measures modulation of left or right channel with full control of each channel down to zero. 19 kc pilot is calibrated directly in % modulation. 67 kc output for trap adjustment. Composite signal output permits signal injection after the FM detector. Size, 9½x10½x4". For 110-120 v. AC. Wt., 7½ lbs.

94 AU 341. *$9 Monthly*.......................... 169.50

Model 801 Capacitor Analyst

New In-Circuit Capacitor Tester

Discovers Shorts and Opens—Checks Electrolytics for Life Expectancy and Energy Storage Capability Out-of-Circuit!

B&K

MODEL 801
CAPACITY TESTER

Out of Circuit. Unique new test circuit for electrolytic capacitors instantly indicates energy storage capability and life expectancy. Combined effects of internal series resistance, leakage resistance and useful capacity of electrolytics up to 2000 mfd tested in one direct reading. Safe for high and low voltage (transistor) types. **In-Circuit.** Short test for capacitors from 10 mmf to 2000 mfd even with shunt resistance of 25 ohms. Open test with shunt resistance down to 50 ohms down to 25 mmf. Leakage resistance reads directly on meter. Even has 3-wire test for dual, series electrolytics. In addition, reads capacity from 10 mmf to 1 mfd in 5 ranges. Size, 6x10x4½". For operation from 110-120 v., 50-60 cycles AC. Shpg. wt., 5 lbs.

94 A 342. *$5 Monthly*.......... 99.95

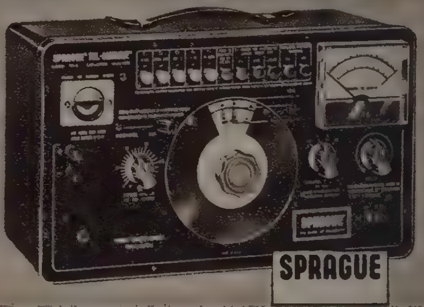
EICO

Solid-State Saturated Color and White Dot-Bar Generator

MODEL 380-K. Provides precisely shaped, 100% fully saturated NTSC color signals essential for setting up and servicing color TV. Assures the serviceman that any trouble observed on the set is not due to a non-standard signal. Besides generating 11 different colors, one at a time for hue and demodulator adjustments, generates 130 dots (variable size) for static and dynamic convergence; 13 horizontal lines; 10 vertical lines; plus crosshatch. Three crystals control RF and color output. RF: 0-50,000 µv into 300 ohms. Video: Positive and negative, 0-10 v. p-p. 8½x5¾x6⅜". 117 VAC. Shpg. wt., 8 lbs.

94 AU 343. **Kit form.** *$7 Monthly.* 129.95

94 AU 344. **Model 380N.** Above, factory assembled. $9 *Monthly*........... **169.95**



SPRAGUE

Model TO-6 TEL-OHMIKE® Capacitor Analyzer

Lab-accurate instrument for completely checking all capacitors. Five overlapping ranges of Wien bridge measure up to 2000 mfd, including 1 pf to 100 pf range. Extremely low bridge voltage, 1.35 for electrolytics, 2.85 for others, for safe testing of low voltage types. Checks insulation resistance of paper, micas and ceramics in two ranges, 10 Kmeg and 50 Kmeg. Tests for leakage at up to 600 v. with leakage current on meter in four ranges, 0-0.06/0.6/6/60 µa. Checks power factor up to 50%. Other features: overload protected meter, magic eye tube for easy bridge balancing; push-buttons for range selection. 8⅞x14⅝x6⅛". For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 12½ lbs.

65 FU 655. *$5 Monthly*......... 99.50

New Modern-Design Panel Meters

knight

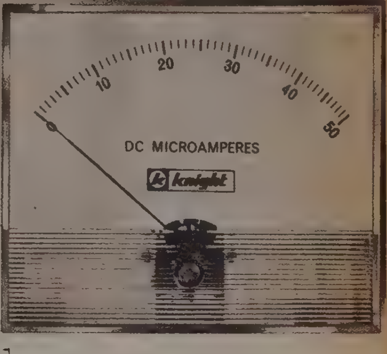
3½" and 4½" DC and AC Panel Meters

Knight introduces an all-new line of dependable, yet low-cost panel meters, styled to give your equipment a modern appearance. External-magnet meter movement in both DC and AC units. Accuracy: ±2% of full scale. Lance pointer. With mtg. hardware.

- **Easy-to-Read Meter Face**
- **External-Magnet Movement**
- **Shielded Movement**
- **±2% Accuracy Full Scale**
- **Plastic Face Cover**

As Low As

$8.95



DC MICROAMMETERS

3½"		Range	4½"	
Stock No.	EACH		Stock No.	EACH
67 F 201	11.24	0-50	67 F 205	11.92
67 F 202	9.90	0-100	67 F 206	10.24
67 F 203	9.80	0-200	67 F 207	10.12
67 F 204	11.80	25-0-25	67 F 208	11.98

DC MILLIAMMETERS

Stock No.	EACH	Range	Stock No.	EACH
67 F 209	8.95	0-1	67 F 214	9.35
67 F 210	8.95	0-3	67 F 215	9.35
67 F 211	9.86	0-15	67 F 216	10.28
67 F 212	9.86	0-100	67 F 217	10.28
67 F 213	9.86	0-200	67 F 218	10.28

DC AMMETERS

Stock No.	EACH	Range	Stock No.	EACH
67 F 225	9.80	0-10	67 F 227	11.58
67 F 226		0-15	67 F 228	

DC VOLTMETERS

Stock No.	EACH	Range	Stock No.	EACH
67 F 275	9.96	0-15	67 F 276	10.60
67 F 219		0-50	67 F 222	
67 F 220		0-100	67 F 223	
67 F 221		0-150	67 F 224	

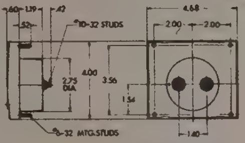
AC AMMETERS

Stock No.	EACH	Range	Stock No.	EACH
67 F 233	12.25	0-5	67 F 235	13.34
67 F 234		0-10	67 F 236	

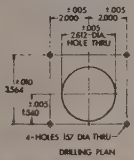
AC VOLTMETERS

Stock No.	EACH	Range	Stock No.	EACH
67 F 229	11.15	0-150	67 F 231	11.65
67 F 230		0-300	67 F 232	

DIMENSIONS



DRILLING PLAN



SPECIFICATIONS

ACCURACY: ±2% of Full Scale

SCALE LENGTHS: 3.16" and 4.26"

METER MOVEMENT: Standard External-Magnet Meter Movement with Soft Iron Pole Pieces

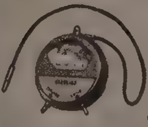
TERMINALS: 10-32

HARDWARE: Complete Mounting and Terminal Hardware

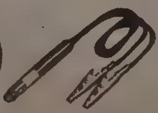
SHPG. WTS.: 3½" Meters, 8 oz. 4½" Meters, 11 oz.

Voltage, Battery and Continuity Testers

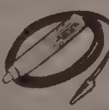
AC Voltage Tester



Battery Tester



Low-Voltage Tester



"Circuit" Tester

Neon Glow Tester

Emico AC Voltage Tester

Handy, easy-to-use AC line-voltage tester. Detects low or high line voltage. Two-prong male plug fits all conventional AC wall outlets. 90° swivel head permits easier readings from any position. Range 0 to 150 volts. 2" meter has damped movement. Accuracy is ±5%. Shockproof metal case. Shpg. wt., 8 oz.

67 F 626.......................3.38

Sterling Battery Testers

Pocket-size meters for general-purpose testing of dry and wet cell batteries. Dependable Sterling testers are compact and easily portable. 2¼" diameter, ⅝" thick. Have nickel-plated finish. ±5% calibrated accuracy. With leads. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Scale	Batteries That Can Be Tested	EACH
65 F 082	16	1.5-90V	Radio, Hearing Aid	4.05
65 F 083	24	0-35A	#6 Dry Cells	2.25
66 F 611	38A	1-2-100V	Radio, Industrial	2.70
65 F 084	44	0-10V, 0-35A	Hot Shot, #6 Dry	2.76
65 F 085	45A	0-50V & 0-50A	Ignition, Indus.	3.45

Sittler Low-Voltage Tester

TYPE T-202. Low-voltage tester indicates from 5 to 50 volts, AC or DC. Uses incandescent lamp. With red and black leads. Shpg. wt., 3 oz.

69 F 000.......................99¢

69 F 001. Type T-203. Similar to above, but tests from 2½-24 v., AC-DC........99¢

AMF Pro-Glo "Circuit Tester"

"Quick checks" continuity, shorts, grounds and opens. Dim light shows poor connection —no light, resistance exceeds 2 ohms. Only 5½x¾" dia. With bulb and penlight battery. (For dead circuits only.) Wt., 2 oz.

66 F 618.......................99¢

G-C Neo-O-Lite Neon Glow Tester

Indicates from 60 volts, AC and 90 volts, DC, to 550 volts, AC or DC. Quickly finds "hot" AC leads, checks fuses and spark plugs, etc. Bulb in insulating holder. 5" insulated leads. Shpg. wt., 3 oz.

66 F 620.......................44¢

Simpson Adjustable Meter Relays

Ideal for Alarm and Control Uses

TYPE 29XA. Current and voltage-actuated. Non-locking SPDT contacts positionable along scale arc with external front control. (extends $^{11}/_{32}$"). Rated 15 v. DC. 10 ma res., or diode-protected ind. loads. Meter front, $4^{21}/_{32}$x$4^{13}/_{16}$". Body dia., 2¾". Depth (body plus front), $1^{21}/_{32}$". 1 lb.

Stock No.	Ohms	DC Range	Each
68 F 951	5200	0-50 μa	44.10
68 F 952	1800	0-100 μa	42.15
68 F 953	280	0-500 μa	39.60
68 F 954	140	0-1 ma	38.10
68 F 955	10	0-50 mv	38.25

Universal Meter Case

Lends a Modern Look to Meter Applications

Front panel holds 2" meter. Removable "knockout" ring enlarges hole for 3" meter. One-piece back and bottom attach with two screws. Red binding posts. Banana jacks in heads. Black-wrinkle finish. Size, 4¼x4x4". without posts. Shpg. wt., 1¼ lbs.

66 F 506.......................1.49

Please Include Range and Type No. on Orders for Panel Meters

EMICO

Low-Cost Panel Meters

Accurate Within 5%

NF-2C

RF-2¼C

RF-2C

Model 13

DC MILLIAMPERES
50
100
150

Styled to lend a prestige appearance to electrical equipment. DC meters have "HI-TORK" magnetic movements; AC meters are moving-iron type. Designed for trouble-free performance under severe operating conditions. Accuracy is within 5%. Calibrated in steel cases, meters need no further adjustments—accuracy is not affected by mounting in magnetic metal panels. Black-enameled or zinc-irridite steel cases. Dimensions (overall depth and flange size): Model NF-2C, 1¼x2¼″; Model RF-2C, 1 5/32x2¼″; Model RF-2¼C, 1 9/16x2 5/16″—fit in 2 1/16″ diameter hole; Model 13 (all plastic) ¾x1 13/16x2⅛″. Screw terminal binding posts and/or lugs for solder connections. Complete with all mounting hardware. Av. shpg. wt., 9 oz.

DC MILLIAMMETERS

	Model NF-2C		Model RF-2C		Model RF-2¼C		Model 13	
Range	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
0-1	67 F 609	3.63	67 F 614	3.67	68 F 012	3.97	66 F 023	3.97
0-5	68 F 970	2.30	68 F 971	2.35	66 F 022	2.65	66 F 024	2.65
0-10	67 F 600	2.16	67 F 615	2.22	68 F 013	2.50	66 F 025	2.50
0-20	67 F 601	1.86	67 F 616	1.96	68 F 014	2.25	66 F 026	2.25
0-30	67 F 602		67 F 617		68 F 015		66 F 027	
0-50	67 F 603		67 F 618		68 F 016		66 F 028	
0-100	67 F 604		67 F 619		68 F 017		66 F 029	
0-150	67 F 605	1.86	67 F 620	1.96	68 F 018	2.25	66 F 030	2.25
0-200	67 F 606		67 F 621		68 F 019		66 F 031	
0-300	67 F 607		67 F 622		68 F 020		66 F 032	
0-500	67 F 608		67 F 623		68 F 021		66 F 033	

AC VOLTMETERS

Range	NF-2C Stock No.	EACH	RF-2C Stock No.	EACH	RF-2¼C Stock No.	EACH	Model 13 Stock No.	EACH
0-15	67 F 665	2.99	67 F 670	3.09	68 F 022	3.38	66 F 034	3.38
0-50	68 F 978	2.99	68 F 979	3.09	66 F 038	3.38	....	....
0-150	67 F 666	3.53	67 F 671	3.63	68 F 023	3.92	66 F 035	3.92
0-300	67 F 667	4.12	67 F 672	4.16	68 F 024	4.46	66 F 036	4.46

DC AMMETERS

Range	NF-2C Stock No.	EACH	RF-2C Stock No.	EACH	RF-2¼C Stock No.	EACH	Model 13 Stock No.	EACH
0-1	68 F 972	1.86	68 F 973	1.96	68 F 025	2.25	....	2.25
0-5	68 F 974		68 F 975		66 F 043		....	
0-10	67 F 650		67 F 656		66 F 044		66 F 070	
0-15	66 F 039		66 F 041		66 F 045		66 F 073	
0-25	68 F 976		68 F 977		66 F 046		....	
0-30	66 F 040	1.86	66 F 042	1.96	66 F 047	2.25	66 F 080	2.25
3-0-3	67 F 651		67 F 657		68 F 026		....	
20-0-20	67 F 652		67 F 658		68 F 027		66 F 082	
30-0-30	67 F 653		67 F 659		68 F 028		66 F 083	

DC VOLTMETERS

Range	NF-2C Stock No.	EACH	RF-2C Stock No.	EACH	RF-2¼C Stock No.	EACH	Model 13 Stock No.	EACH
0-30	67 F 630	1.86	67 F 635	1.96	68 F 082	2.25	66 F 168	2.25
3-0-3	67 F 631		67 F 636		68 F 083		....	
0-10	67 F 632		67 F 637		68 F 084		66 F 188	
0-15	66 F 090		66 F 169		66 F 092		66 F 189	
0-20	66 F 091		66 F 193		66 F 093		66 F 190	
0-30	68 F 980		68 F 981		66 F 096		66 F 191	
0-50	68 F 982		68 F 983		66 F 097		66 F 192	

AC AMMETERS

Range	NF-2C Stock No.	EACH	RF-2C Stock No.	EACH	RF-2¼C Stock No.	EACH	Model 13 Stock No.	EACH
0-1	68 F 984	2.99	68 F 985	3.09	....	3.38	....	3.38
0-5	67 F 646		67 F 648		68 F 085		66 F 195	
0-10	67 F 647		67 F 649		68 F 086		....	

AC MILLIAMMETERS

Range	NF-2C Stock No.	EACH	RF-2C Stock No.	EACH	RF-2¼C Stock No.	EACH	Model 13 Stock No.	EACH
0-500	67 F 640	2.99	67 F 643	3.09	68F 029	3.38	66 F 212	3.38

Simpson

EASIER TO READ

"Wide-Vue" meters feature longer-than-usual scales. 3½″ meter has scale more than ½″ longer than conventional types. 1-piece wrap-a-round plastic covers. DC meters (except 0-25 and 0-50 μammeters) have "self-shielded" core magnet movements unaffected by steel mounts, or proximity of magnetic fields. 0-25 and 0-50 DC μammeters have external magnet movements; AC meters, iron-vane. Accuracy, ±2%. Av. shpg. wt., 1 lb.

METER DIMENSIONS

Model	Flange	Body Dia.	Depth	Scale
1327	3.25x3.25″	2.73″	1.08″	3.14″
1329	4.00x4.68″	2.75″	1.08″	3.93″
1357	3.25x3.25″	2.73″	1.22″	3.14″
1359	4.00x4.68″	2.75″	1.20″	3.93″
57	3.12x3.00″	2.75″	1.45″	2.56″
155	2.69″	2.17″	1.39″	1.88″

Simpson "Wide-Vue" 3½ and 4½″ Panel Meters

DC VOLTMETERS

Model 1327—3½″			Model 1329—4½″	
Stock No.	EACH	Range	Stock No.	EACH
68 F 151	14.25	0-50	68 F 159	15.75
68 F 152		0-100	68 F 160	
68 F 153		0-150	68 F 161	
68 F 993		0-200	68 F 994	
68 F 155		0-300	68 F 163	

DC MILLIAMMETERS

Model 1327 Stock No.	EACH	Range	Model 1329 Stock No.	EACH
68 F 181	13.50	0-1	68 F 186	14.25
67 F 662		0-3	67 F 663	
68 F 182		0-10	68 F 187	
68 F 907		0-15	68 F 908	
68 F 969		0-20	68 F 997	
68 F 183	13.80	0-50	68 F 188	15.00
68 F 184		0-100	68 F 189	
68 F 185		0-150	68 F 190	
67 F 668		0-1000	67 F 669	

DC AMMETERS

Model 1327 Stock No.	EACH	Range	Model 1329 Stock No.	EACH
68 F 165	13.65	0-1	68 F 173	15.00
68 F 166		0-5	68 F 174	
68 F 168		0-10	68 F 176	
68 F 913		0-30	68 F 914	
68 F 915		0-100	68 F 916	

DC MICROAMMETERS

Model 1327—3½″			Model 1329—4½″	
Stock No.	EACH	Range	Stock No.	EACH
68 F 192	17.10	0-50	68 F 196	18.45
68 F 193	15.60	0-100	68 F 197	17.40
67 F 673	17.25	25-0-25	67 F 674	18.60
68 F 194	15.75	50-0-50	68 F 198	17.55

AC VOLTMETERS

Model 1357—3½″			Model 1359—4½″	
Stock No.	EACH	Range	Stock No.	EACH
68 F 921	12.60	0-15	68 F 922	14.40
68 F 923	13.05	0-50	68 F 924	14.40
68 F 154	13.95	0-150	68 F 162	15.00
68 F 156	13.95	0-300	68 F 164	15.00

AC AMMETERS

Model 1357 Stock No.	EACH	Range	Model 1359 Stock No.	EACH
68 F 167	12.45	0-5	68 F 175	14.55
68 F 169	12.45	0-10	68 F 177	14.55

AC MILLIAMMETERS

Model 1357 Stock No.	EACH	Range	Model 1359 Stock No.	EACH
68 F 925	12.45	0-50	68 F 926	14.55
68 F 927		0-100	68 F 928	
68 F 929		0-500	68 F 930	

Round and Rectangular Panel Meters

Feature Simpson-External-Type Movement, calibrated for non-magnetic metal panels. 100° dial arcs. Accuracy, ±2% of full scale. Iron-vane movement calibrated for 25-125 cps, except AC milliammeters and ammeters, 25-800 cps. Self-contained multipliers. Black molded bakelite cases, zero recessed adjustments. Polished, shock-mounted jewels. With hardware, template. Specify range and Model No. Av. shpg. wt., 1 lb.

AC MILLIAMMETERS

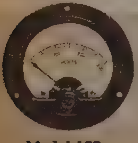
Model 155—2½″ Rnd			Model 57—3½″ Rec.	
Stock No.	EACH	Range	Stock No.	EACH
67 F 072	11.55	0-50	67 F 565	12.15
67 F 073		0-100	67 F 566	
....		0-250	67 F 567	

AC VOLTMETERS

Model 155 Stock No.	EACH	Range	Model 57 Stock No.	EACH
....	....	0-5	67 F 559	12.45
67 F 079	11.70	0-10	67 F 551	12.45
....	....	0-50	67 F 553	12.75
67 F 083	12.90	0-150	67 F 555	13.65

AC AMMETERS

Model 155 Stock No.	EACH	Range	Model 57 Stock No.	EACH
67 F 087	11.55	0-1	67 F 575	12.15
67 F 090		0-10	67 F 579	


Model 155

Model 157

Specify Range and Model No. when Ordering Meters

Weller DUAL-HEAT Soldering Equipment

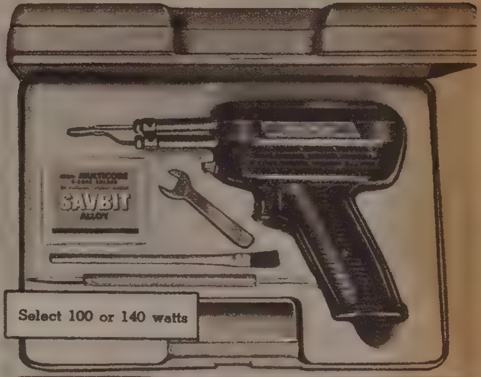
8200PK "Expert" Kit—Everything You Need for Professional-Type Soldering

- Gun, Tips, Wrench, Brush, Aid-Tool, Solder
- Weller 100/140-Watt Dual-Heat Gun
- Ideal for Professional or Homecrafter Use

as low as **$5.83**

This complete "Expert" soldering kit provides everything you need for doing fast, easy professional or household-type soldering work—and the cost is exceptionally low! Includes: Weller Model 8200, U.L. Listed, 100/140-watt dual-heat soldering gun; break-proof plastic utility case; 3 soldering gun tips; tip-changing wrench; cleaning brush; solder-aid tool; coil of solder; instruction book. Dual-heat gun provides high and low temperatures for greater soldering convenience and longer tip life. Premium-plated copper tip assures superior heat transfer. Gun's compact design and perfect balance help to lighten your work load and lessen fatigue. Has pre-focused spotlight to brightly illuminate work area and eliminate shadows. For 110-120 v., 60 cycle AC. Shpg. wt., 2½ lbs.

51 N 059-G. 3-Up....**Each 5.83** 1-2...............**Each** 6.39



Select 100 or 140 watts

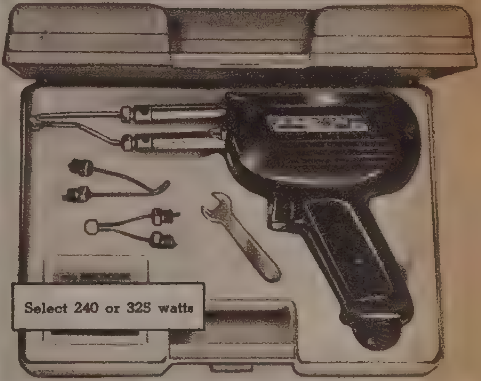
D550PK Heavy-Duty Soldering Kit

- Gun, 3 Tips, Wrench, Solder, Instructions
- Weller 240/325-Watt Dual-Heat Gun
- Accessory Tips for Household Repairs, Hobbies

as low as **$8.48**

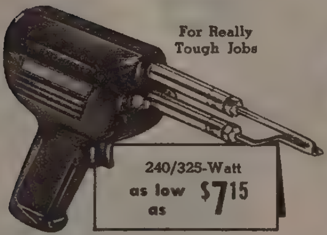
Versatile, heavy-duty soldering kit for home or shop use. Includes: Weller Model D550, U.L. Listed, heavy-duty 240/325-watt soldering gun; unbreakable plastic utility case; 3 tips for varied kinds of work—soldering, cutting and smoothing; tip-changing wrench; 1 coil of all-purpose solder; and an extremely helpful instruction booklet. Two trigger positions on gun provide two soldering temperatures for added convenience and increased tip life—permits you to switch instantly to best heat suited to job at hand. Premium-plated copper tips provide greater heat transfer, less heat loss. Built-in pre-focused spotlight brightly illuminates work area, eliminates shadows. Gun is compact, lightweight and perfectly balanced for maximum comfort. For 110-120 v., 60 cycle AC. Wt., 7¼ lbs.

51 N 057. 3-Up..........**Each 8.48** 1-2...........**Each** 9.55



Select 240 or 325 watts

Weller Light, Medium and Heavy-Duty Soldering Guns



For Really Tough Jobs

240/325-Watt as low as **$7.15**

For General, All-Around Use

145/210-Watt as low as **$6.52**

Lightweight, Easy to Handle

100/140-Watt as low as **$4.26**

Model D550 Dual-Heat Gun

Heavy-duty gun with long-life tip. 240 and 325 watts provided by two trigger positions. High-efficiency copper tip. Prefocused spotlight. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.

50 N 496. 3-Up .Ea. **7.15** 1-2 .Ea. 7.98

Weller Replacement Parts

*Tip nut; †switch. Av. shpg. wt., 3 oz.

Stock No.	Type	Use With Models	EACH
50 N 491	7325*	D-440, S-440, 8100, 8200, 8100B	.15
50 N 494	7417*	D-550,S-500,8250A	.15
50 N 492	7323†	All Single-heat type	1.22
50 N 493	7324†	All Dual-heat type	1.37

Model D440 Dual-Heat Gun

Medium-duty gun for professional and homecraft uses. Trigger positions for 145 or 210-watt heat. Copper tip for superior heat transfer. Instant warmup. Spotlight illuminates work area. U.L. Listed. For 110-120 v., 60 cycle AC. 3 lbs.

50 N 497. 3-Up Ea. **6.52** 1-2. .Ea. 7.30

Selected Accessory Tips

*Cutting; †smoothing. Av. shpg. wt., 3 oz.

Stock No.	Type	For Models	EACH
50 N 516	6110*	WS-100, WD-135, S-400, D-440, 8100(B), 8200, WS-200, S-500, D-550, 8250A	.35
50 N 517	6120†		
50 N 518	6130*		
50 N 521	6140†		

Model 8200 Dual-Heat Gun

100/140-watt heat. High-efficiency copper tip; virtually instant heat. Prefocused spotlight. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 2¼ lbs.

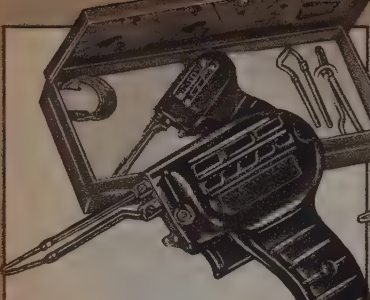
51 N 058. 3-Up Ea. **4.26** 1-2. .Ea. 4.56

Chisel-Point Tips

2 per Pkg. Av. shpg. wt. per pkg., 3 oz.

Stock No.	Type	Use With Models	PKG.
50 N 476	7135	WS-100, WD-135, S-400, D-440, 8100	.25
50 N 475	7250	WS-200, WD-250, S-500, D-550, 8250A	.35
50 N 477	7300	S-107, D-207, Not interchangeable with above.	.25
50 N 209	8125	8100B, 8200	.35

WEN Solder Guns and Kits



130-Watt Solder Gun Kit

as low as **$6.51**

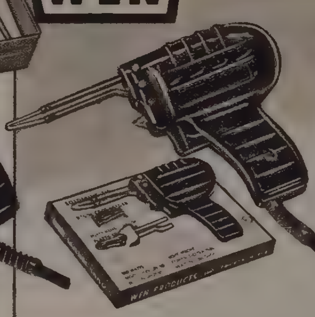
- 130-Watt Gun; 3 Tips
- Instant Heat—Just 2½ Seconds
- Quickly Interchangeable Tips

199K. An economical multi-purpose solder gun kit. Look at all you get: famous Model 199 "Slimline" 130-watt gun; three tips, for soldering, cutting and smoothing; 5-ft. roll of rosin-core solder; plus rugged metal storage box. Gun reaches full operating temperature in just 2½ seconds! Compact, well-balanced unit has efficiency to compare with guns of much higher wattage ratings. Lightweight, too—just 1½ lbs.

Slimline design lets you get into hard-to-reach places; built-in prefocused spotlight eliminates shadows on work area. Has convenient pistol-grip handle and shock-resistant red plastic case with trigger switch. Size, 5" long less tip. Tips are quickly interchangeable—include model 19-B-4 standard tip for household wiring; 19-F-33 woodworking tip; 19-C-1 tip for cutting plastic, rubber or asphalt tile. U.L. Listed. For 110-120 v., 60 cycle AC. 4 lbs.

51 N 656. 1-2.............Each 7.33
3-Up.......................Each **6.51**

MODEL 199—130-WATT SOLDERING GUN ALONE. With standard tip. 2¼ lbs.
50 N 434. 1-2.............Each 5.83
3-Up.......................Each **5.19**



100-Watt Soldering Gun Kit

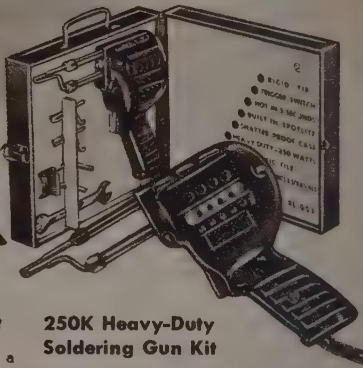
Model 100K. A ready-to-use kit in a unique book-fold carton. Kit includes: Wen Model 100—100 watt gun with standard tip; plastic cutting, putty-removing tip; 5-ft. coil of rosin-core solder. Transformer-type gun develops full power in 2½ seconds. Use it for hours—compact, lightweight design minimizes fatigue. Has built-in spotlight, trigger switch, and ebony case. 8" long with steel-nosed tip. U.L. Listed. For 110-120 volts, 60 cycle AC. 2 lbs.

50 N 191. 1-2..........Each 5.83
3-Up.....................Each **5.19**

MODEL 100—100-WATT SOLDERING GUN ALONE. Std. tip. 1½ lbs.
50 N 025. 1-2..........Each 4.65
3-Up.....................Each **4.37**

REPLACEMENT TIPS. For 100, 100K, 199 and 199K guns. 2 oz.

Stock No.	Type	Tip	EA.
50 N 435	19-B-4	Standard solder	35¢
50 N 426	19-C-1	Plastic cutting	42¢
51 N 027	19-F-33	Smoothing	42¢



250K Heavy-Duty Soldering Gun Kit

For the heaviest materials and toughest jobs! Kit includes: Model 250—250-watt gun; Feraloy long-life soldering tip; cutting tip for vinyl and plastic; flat tip for smoothing wood; tip-changing wrench; 5-ft. of rosin-core solder; sturdy metal carrying case. Heats in 3 secs. Has ebony case with spotlight and trigger switch. Length is 6½". U.L. Listed. For 110-120 v., 60 cycle AC. 5 lbs.

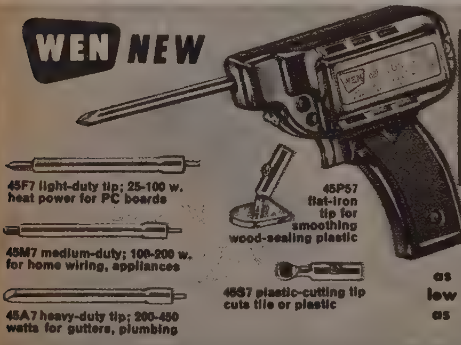
50 N 250. 1-2.........Each 11.72
3-Up...................Each **10.73**

MODEL 250—250-W. GUN ALONE. With std. tip. Shpg. wt., 4 lbs.
51 N 658. 1-2..........Each 9.52
3-Up....................Each **8.47**

REPLACEMENT TIPS. For Model 250 and 250K guns, above. Av. wt., 2 oz.

Stock No.	Type	Tip	EA.
50 N 424	25-A-4	Standard solder	17¢
50 N 425	25-X-20	Feraloy	35¢
50 N 428	25-C-1	Plastic cutting	35¢
51 N 028	25-F-33	Smoothing	42¢

WEN NEW


45F7 light-duty tip; 25-100 w. heat power for PC boards
45M7 medium-duty; 100-200 w. for home wiring, appliances
45A7 heavy-duty tip; 200-450 watts for gutters, plumbing
45P57 flat-iron tip for smoothing wood-sealing plastic
45S7 plastic-cutting tip cuts tile or plastic

From Space Age Research . . .
"ATR" Automatic Thermal Regulation
Automatically regulates heat to suit the task. Uses high-temperature magnet wire developed specially for our space-age missile program.

Model 450 "All" Gun

as low as **$9.29** includes heavy-duty tip

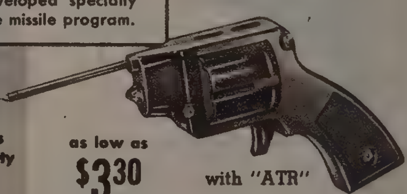
Instant heating, fast cooling unit with modern, space-age advance—Automatic Thermal Regulation. Performs virtually any soldering job—from the most delicate to the toughest. Offers you three heat ranges (25-100 watt range with optional pencil tip; 100-200 watt range with optional medium duty tip; 200-450 watt range with heavy duty tip, supplied). Perfecty balanced for long hours of use with minimum operator fatigue. Other deluxe highlights include: long-reach, single-post, rigid copper tip; prefocused spotlight; trigger on-off switch; huskily made, shock-resistant black case. Two set screws let you change tips in seconds. With type 45A7 heavy-duty tip. Overall lgth. 9¼". U.L. Listed and C.S.A. Approved. For 110-120 v., 60 cycle AC. Shpg. wt., 3 lbs.

51 N 674. 1-2.........Each 9.97
3-Up....................Each **9.29**

TIPS FOR MODEL 450
Illustrated above, Av. wt., 2 oz.

Stock No.	Type	Tip	EACH
51 N 675	45F7	Light-duty	98¢
51 N 676	45M7	Medium-duty	98¢
51 N 677	45A7	Heavy-duty	98¢
51 N 678	45P57	Flat-iron	45¢
51 N 679	45S7	Plastic cutting	45¢

WEN NEW Model 75 Soldering Pistol



as low as **$3.30** with "ATR"

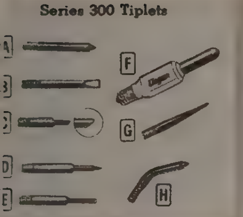
Efficient soldering pistol with ATR! Produces heat of 100-watt device from peak surge rating of 50 watts and normal draw of 30 watts automatically—no switching. Instant heat, fast cooling. Heavy copper tip permits repeated "dressing down" for long life. Has spotlight, on-off trigger, pistol grip, single set-screw for fast tip replacement. U.L. Listed and C.S.A. Approved. With standard tip. For 110-120 v., 60 cycle AC. Shpg. wt., 1¼ lbs.

51 N 479. 1-2...............Each 3.64
3-Up.........................Each **3.30**

51 N 029. Extra Standard Tip. 6 oz. ....70¢
51 N 031. Fine Point Tip. 2 oz. ....70¢

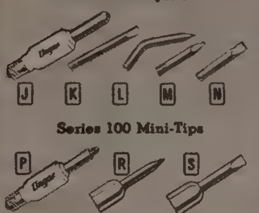
“Standard Line” Solder Tools by Ungar®

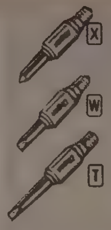
Series 300 Tiplets

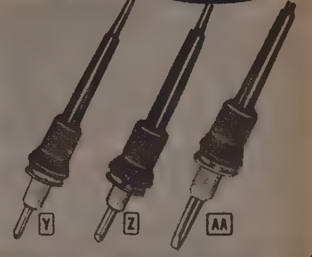


Series 800 Tiplets

Series 100 Mini-Tips







RIES 300 ⅛" O.D. THREAD-IN TIPLETS. subminiature work. Thread into 535, 35, 4035 elements (right). All have silver-ted iron-clad copper alloy tips except **nplated** copper. All 1" long except PL-2 and 332, 1¼"; PL-340, ⅝". PL-338, 54, 7155 have 1/16" point; PL-340, 3/64" nt. Types 7154 and 7155 are Micro-Tiplets. . shpg. wt., 2 oz.

ck No.	Type	Fig.	Description	EA.
N 469	PL-331	A	pencil	47¢
N 483	331*	A	pencil	17¢
N 470	PL-332	H	offset pencil	47¢
N 484	332*	H	offset pencil	17¢
N 471	PL-333	B	chisel	47¢
N 485	333*	B	chisel	17¢
N 101	PL-338	G	tapered needle	47¢
N 409	PL-340	C	Micro-spade	47¢
N 755	7154	D	stepped pencil	47¢
N 068	7155	E	stepped chisel	47¢

RIES 800 3/16" O.D. TIPLETS. Above but t 3/16" shanks for high heat transfer. Use h 4045 element, right. Silver-plated ex-pt *unplated. All 1" long except PL-833 d -834, 1¾" long taper. 2 oz.

N 410	PL-823	M	pyramid	51¢
N 023	823*	M	pyramid	17¢
N 411	PL-824	N	chisel	51¢
N 024	824*	N	chisel	17¢
N 412	PL 833	K	chisel	78¢
N 413	PL-834	L	offset chisel	78¢

SERIES 100 ⅛" O.D. THREAD-ON MINI-TIPS. For high-speed repeat soldering with 4037 or 1237 elements. ¾" long. Have silver-plated iron-clad copper alloy tip except *unplated. 2 oz.

Stock No.	Type	Fig.	Description	EA.
50 N 404	PL-111	R	pencil	59¢
50 N 406	111*	R	pencil	26¢
50 N 405	PL-113	S	chisel	59¢
50 N 407	113*	S	chisel	26¢

THREAD-IN ELEMENTS. For Tiplets, left. Fit all Ungar handles and 260 pistol. All Fig. F except 4045, Fig. J. All have high-temperature steel body treated to resist corrosion. Type 535, 1235, 4035 elements fit series 300 Tiplets; 4045 fits series 800 Tiplets and all desoldering tips below. For 110-120 v., AC-DC. Wt., 2 oz.

Stock No.	Type	Tip Temp.	Watts	EA.
50 N 482	535	600-650°F	23½	1.05
50 N 488	1235	700-750°F	37½	1.22
50 N 490	4035	800-850°F	47½	2.35
50 N 105	4045	800-850°F	47½	2.35

P **THREAD-ON ELEMENTS.** High-speed types for use with series 100 thread-on Mini-Tips, above. Nickel-plated copper alloy. For 110-120 v., AC-DC. 2 oz.

50 N 403	4037	850 900°F	47½	2.35
50 N 402	1237	750-800°F	37½	1.39

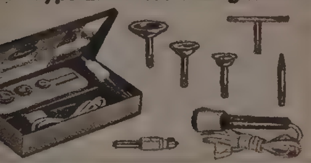
ELEMENTS WITH TIPS. Fit 776 handle. 533, 536, 539, 1233, copper alloy tip; 1236 and 1239, silver-plated iron; 4033, 4036, 4039, silver-plated iron-clad copper alloy. U.L. Listed. For 115 v., AC-DC. 2 oz.

Stock No.	Type	Fig.	Tip	EA.
23½ WATTS—650-700°F.				
50 N 400	533	T	Chisel, 1⅝x3/16"	1.05
50 N 478	536	W	Pyramid, 1⅛x3/16"	1.05
50 N 479	539	X	Chisel, 1⅛x5/16"	1.05
37½ WATTS—750-800° F.				
50 N 401	1233	T	Chisel, 1⅝x¼"	1.22
50 N 480	1236	W	Pyramid, 1⅛x3/16"	1.22
50 N 481	1239	X	Chisel, 1⅛x⅜"	1.22
47½ WATTS—850-1000° F.				
50 N 498	4033	T	Chisel, 1⅝x¼"	2.35
50 N 499	4036	W	Pyramid, 1⅛x⅜"	2.35
50 N 500	4039	X	Chisel, 1⅛x⅜"	2.35

SOLDERING PENCILS. For subminiature work. All include 776 handle, cord, element and tip. **4033:** 47½ watts; long chisel tip of silver-plated iron-clad copper; 850-1000°F. **1236:** 37½ watts; silver-plated iron pyramid tip; 750-800°F. **536:** 23½ watts; copper-alloy pyramid tip; 650-700°F. U.L. Listed. For 110-120 v., AC-DC. 6 oz.

Stock No.	Fig.	Includes	EACH
50 N 305	AA	4033 element-tip	3.57
50 N 303	Y	1236 element-tip	2.44
50 N 302	Z	536 element-tip	2.25

Type 270 Desoldering Kit

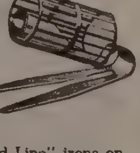


r fast, safe rework on PC boards. Includes 6 handle, 6-ft. cord; 4045 heating element; cup-shaped desoldering tips; 1 slotted de-ldering tip; 1 bar tip; 1½x7¾x4⅞" metal se. Wt., 1¼ lbs.

0 N 109 ....5.71

Heavy-Duty Soldering Iron Holders

$1.57

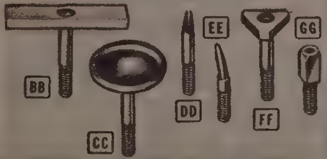


r use with all "Standard Line" irons on is page. Wire guard protects operator gainst "hot tip" burns; also protects iron gainst breakage. 8 oz.

0 N 606.......................1.57

0 N 702. Above, for Imperial irons. **1.57**

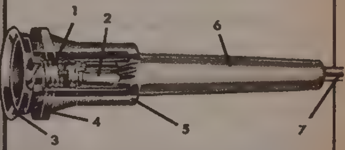
Desoldering Tips



Special-shaped desoldering tips help you remove printed-circuit components 70% faster than ordinary soldering tips. Melt solder on all terminals simultaneously; avoid lug breaking, shorting, PC board rupturing. Use only with 4045 heating element, above. Cups melt solder on sockets—use 854 for 8, 9-pin; 855 for 7, 8-pin; 856 for 5-pin. Slotted unit for tabs; offset for close-to-board work. Bar is for multiple straight-line melting. Triangle for electrolytics. Drilled cube removes center pins of tube sockets and harness leads. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Type Tip	EA.
50 N 417	858	BB	bar	59c
50 N 414	854	CC	1" cup	
50 N 415	855	CC	¾" cup	
50 N 416	856	CC	⅝" cup	
50 N 108	857	DD	slotted	59c
50 N 419	862	EE	offset slotted	
50 N 418	861	FF	triangle	
50 N 420	863	GG	drilled cube	

Type 776 Handle and Cord



NOW IMPROVED SEVEN WAYS!

1. **Spring Socket—Holds Tip Firmly**
2. **Ceramic & Glass Internal Insulation**
3. **Stainless-Steel Heat Deflector**
4. **Octagon Guard Washer—No Rolling**
5. **Large, "Soft Touch" Cork Grip**
6. **Thermo-Stabilized Phenolic Body**
7. **6-Ft. Polyvinyl-Insulated Cord**

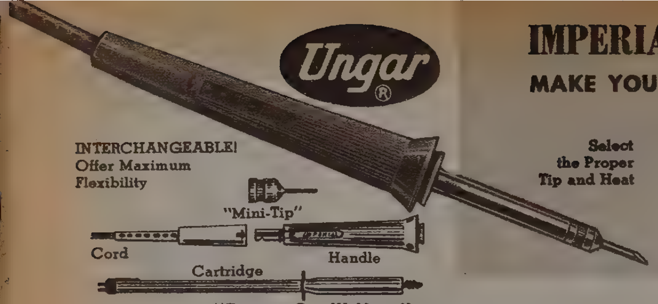
For exacting work on printed circuits, miniature and subminiature systems. Durable and extra-cool, the 776 accepts a wide selection of thread-in elements, tips and Tiplets. Spring socket—tip can't wobble or "give." Stainless steel deflector reflects heat from operator's hand. Octagon guard washer prevents handle roll, acts as built-in stand. With 6-ft. polyvinyl cord. Lgth., 5". Less element, tip (above). U.L. Listed. 4 oz.

50 N 304.......................1.22

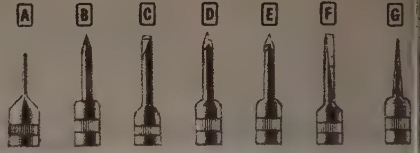
bove Soldering Tools Are for 110-120 Volts, AC or DC Operation

IMPERIAL Soldering Components

MAKE YOUR OWN CUSTOM SOLDERING IRON



Select
the Proper
Tip and Heat



"Perma-Cool" Handles

TYPE 6100. Functional handles weigh only 1 oz. Fit heat cartridges, at right. Double cushion of air and five heat-transition surfaces for cool operation. Made of poly-carbonate resin, have die-cast aluminum heat sink. 4.7" long; 0.8" dia. at grip. Shpg. wt., 2 oz.

Stock No.	Color	1-9, EACH	10-Up, EACH
50 N 616	Beige	1.25	1.07
50 N 617	Ivory	1.25	1.07
50 N 618	Turquoise	1.25	1.07

Plug-In Power Cords

TYPE 6102. Standard 6-ft., 2-wire power cords for heat cartridges. Match handles, above. U.L. listed. For 115 v. AC-DC. 3 oz.

Stock No.	Color	1-9, EACH	10-Up, EACH
50 N 683	Beige	1.25	1.07
50 N 684	Ivory	1.25	1.07
50 N 619	Turquoise	1.25	1.07

"Long Life" Heat Cartridges

Stainless Steel. U.L. Listed. For 115 v. AC-DC. 1 oz.

Stock No.	Type	Watts	1-9, EACH	10-Up, EACH
51 N 025	6203	60	3.90	3.32
50 N 622	6200	40	3.21	2.73
50 N 623	6201	30	3.21	2.73
50 N 624	6202	25	3.21	2.73

Interchangeable Thread-On "Mini-Tips"

For above. *24-kt. gold plated, iron-clad; †copper. 2 oz.

Stock No.	Type	Fig.	Description	Size	1-9, EACH	10-Up, EACH
50 N 625	6304	A	*Micro-chisel	3/64x1/2"	.83	.71
50 N 627	6312	B	†Pencil	1/8x3/4"	.31	.27
50 N 631	6318	C	†Long taper chisel	1/8x3/4"	.31	.27
50 N 633	6324	D	†Long taper pyramid	1/8x3/4"	.31	.27
50 N 634	6325	E	*Long taper pyramid	1/8x3/4"	.83	.71
50 N 636	6331	F	*Screwdriver	1/8x3/4"	.83	.71
50 N 637	6333	G	*Needle	1/8x3/4"	.83	.71

WALL Soldering Pencils, Irons, and Guns

POPULAR UNITS FOR ALL SOLDERING APPLICATIONS

H
863
Pencil
$2.32
J
$5.87
K
$1.98
L
$13.93

H 863 "Radioman" Pencil

Slender 40-watt soldering pencil. Great for delicate printed circuit and miniature work. "Demon-Heet" element develops 800°F tip-temperature fast. With 3/16" copper tip and stand. U.L. Listed. For 110-120 v., AC or DC. Shpg. wt. 6 oz.

50 N 219........................2.32

50 N 596. Extra Element. 2 oz.......69¢

50 N 597. Extra Tip. 2 oz.............36¢

J Deluxe Soldering Irons

For printed circuit work, many other applications. Built to withstand hard usage. Model 18HD (Fig. J) is non-thermostatic; Model 14T (same style as Fig. J) has thermostatic action—gives the right amount of heat for each job. Lengths: 18 HD, 7"; 14T, 8". U.L. Listed. For 110-120 v., AC or DC. 7 oz.

Stock No.	Type	Watts	Tip	1-9, EA.	10-Up, EA.
50 N 394	18HD	25	1/8"	5.87	5.41
50 N 551	14T	40-125	1/4"	5.87	5.41

Replacement Tips

For above. †Wall-Klad tips; *copper, designed for production-line use. 2 oz.

Stock No.	Size	For	EACH
51 N 171	†1/4"	14T	2.29
51 N 170	†1/8"	18HD	2.02
51 N 172	*1/4"	14T	.30
51 N 173	*1/8"	18HD	.21

K 186-P 75-Watt Iron

Low in cost, withstands hard usage. Medium-duty soldering iron has removable 3/16" tip, temperature ranges to 860° F. "Demon Heet" element warms up extremely fast. 11 5/8" long. U.L. Listed. For operation from 110-120 v., AC-DC. 12 oz.

50 N 226........................1.98

50 N 227. Extra Tip. 2 oz.............45¢

L "Trig-R-Heat" Guns

Heavy duty. Feature thermostatic action, lightweight transformerless design. Squeeze the trigger—heat in seconds, provide correct wattage for the job. Balanced for fatigue-free operation. Narrow 6 1/2" barrels for close work. Have interchangeable tip elements. Black plastic housing. U.L. Listed. For 110-120 v., AC or DC.

MODEL 212LT. 300-500 watts. 1/2" steel-clad tip. 7-watt spotlight. 1 1/2 lbs.

50 N 549........................13.93

MODEL 214LT. As above, but 150-400 watts; 1/4" tip. 1 1/4 lbs.

50 N 558........................11.40

Tip-Element Assemblies

Fit 212LT or 214LT, above.

Stock No.	Watts	Tip	Wt.	EACH
50 N 552	150-400	1/4"	12 oz.	3.90
50 N 550	300-650	1/2"	1 lb.	6.17

Deluxe "Magnastat" Solder Irons

Custom-make your soldering iron. "Magnastat" sensing devices automatically maintain correct tip-temperature. Less tips and cords, below. Select the proper components for your specific application. U.L. Listed. For 110-120 v., 60 cycle AC.

Stock No.	Model	Fig.	Watts	Oz.	EA.
50 N 668	TC602	M	75	3 1/2	5.52
50 N 667	TC552	N	55	3	5.32

Interchangeable Tips

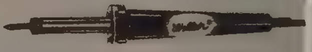
Premium iron-plated copper. All have screwdriver tips. Av. shpg. wt., 3 oz.

Stock No.	Type	Tip Size	For	EACH
50 N 671	5-D1N	3/16"	TC552	.56
50 N 672	5-C1N	1/8"	TC552	.56
50 N 673	6-E1N	1/4"	TC602	1.12
50 N 674	6-D1N	3/16"	TC602	1.12

Interchangeable Cords

*3-wire industrial cord; †2-wire standard cord. With plugs. Av. shpg. wt., 5 oz.

Stock No.	Type	Description	EACH
50 N 511	CS40	†for TC552, TC602	.73
50 N 512	CS50	*for TC552, TC602	1.47



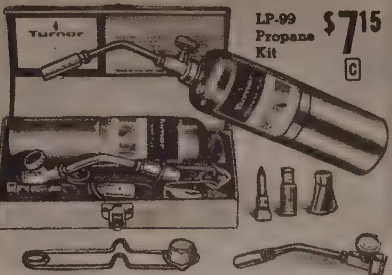
New 25-Watt Soldering Pencil

MODEL W-P. This high efficiency pencil offers interchangeable tips and rugged replaceable elements. Does the work of much larger units. Cool plastic handle. With 1/8 plated tip. 115 v. AC. 8 oz.

50 N 465........................3.82

Stock No.	Type	Description	Wt.	EA.
51 N 033	ST-1	Extra 1/16" tip	3 oz.	.5
51 N 034	ST-2	Extra 3/32" tip	3 oz.	.5
51 N 035	ST-3	Extra 1/8" tip	3 oz.	.5
51 N 036	HE-1	Extra Element	4 oz.	1.9

Turner Torches—Clean Flame Instantly



A New "Pivot Pilot" Torch

DEL LP-2655. No more searching for ch or spark lighter "Pivot pilot" is al-rs on the stem of your torch. Hold lighter urner, turn on gas and flip wheel. Torch its, lighter swings away. Forged brass ve assembly has pencil burner; quart- tank of propane fuel (refills at right). . Listed. 3½ lbs.

NX 032....................5.68

B "Flexi-Hand" Hose Torch

DEL LP-1955. Just clip the propane ch to your belt—flexible hose lets you k freely in tight spots. Includes propane tank (refills at right), clip assembly, 4-ft. ible hose, pistol-grip handle, pencil-nt burner assembly. Quart size tank. g. wt., 4¼ lbs.

NX 135....................9.31

C Popular Propane-Gas Torch Kit

MODEL LP-99. Multi-purpose torch kit in an attractive steel case. Everything you need to sweat fittings, solder and bend metal. Attachments for both light and heavy-duty work. All-brass torch has heavy-duty valve with drag spring on knob. Kit consists of: pencil-point burner; heavy-duty burner that provides a larger flame and greater amount of heat; brass flame spreader, copper chisel-point solder tip, long-lasting tank of fuel, spark lighter, rugged steel case— size, 3x10¼x6". U.L. Listed. 6½ lbs.

50 NX 081....................7.15

Replacement Fuel Tanks

For Turner torches. Each lasts up to 15 hours. Meet I.C.C. specs. 2 per pkg. Shpg. wt., 5 lbs.

50 NX 082.......Per Pkg. of Two 2.89

Ungar Soldering Aid Materials

D
"Kleen-Tip"
98¢
"Anti-Seize"
54¢
E

D Type 400 "Kleen-Tip" Kit

Removes oxidation and excess solder from soldering tips—assures longer tip-life. Kit includes: specially processed sponge; phenolic tray and bracket for bench mounting. Shpg. wt., 2 oz.

50 N 421....................98¢

50 N 422. 455 Refill Sponge. 2 oz. **39¢**

E 8001 Anti-Seize Compound

Prevents soldering tip from sticking to element. Lubricates threads. 2-oz. can. Shpg. wt., 3 oz.

50 N 607....................54¢

KESTER SOLDERS

r the Radio and
V Serviceman

. the Production
nes of Industry

dispensable in
Do-it-Yourself"
Workshops

KESTER SOLDER

Kester Solders

ESIN FIVE" CORE SOLDER. Has active esin" flux for difficult jobs. Non-corrosive, -conductive solder for printed circuits. l 1/16" dia.; spool 3/32" dia. 40% tin, 60% d. *60% tin, 40% lead.

Stock No.	Size	Net Wt.	Shpg. Wt.	EACH
N 580	3/32"	1 lb.	1¼ lbs.	1.32
N 310	3/32"*	5 lbs.	5¼ lbs.	8.75
N 561	1/16"	1 oz.	3 oz.	.21

NTED CIRCUIT SOLDER. 60% tin, 40% d. 1/16" dia. Wt., 1¾ lbs.

N 589. 1-lb. Spool....................1.82

SIN-CORE SOLDER. Plastic rosin-fill " for general work; 1/16" for delicate k. 40% tin, 60% lead, except *50-50.

Stock No.	Size	Net Wt.	Shpg. Wt.	EACH
N 562	3/32"	1 lb.	1¼ lbs.	1.32
N 569	3/32"	5 lbs.	5¼ lbs.	6.40
N 590	1/16"	1 lb.	1¼ lbs.	1.35
N 591	1/16"	5 lbs.	5¼ lbs.	6.55
N 581	1/16"*	1 lb.	1¼ lbs.	1.60

LDER PASTE. Even distribution of active redients. 2 oz. cans. Wt., 5 oz.

N 578....................15¢

NING BLOCK. Wt., 1¼ lbs.

N 582....................65¢

ERSIN MULTICORE SOLDERS

Multicore Solders Feature 5 Separate Cores of Flux . . .

Poor Connections Due to Unstable "Dry Joints" Are Virtually Eliminated

Ersin Solders

RESIN MULTICORE SOLDER. 5 cores of non-corrosive flux. 60% lead, 40% tin. 1-lb. spools. Wt. per spool, 1½ lbs.

Stock No.	Gauge	EACH
50 N 595	14 (.080")	1.78
50 N 594	16 (.064")	1.82
50 N 313	18 (.048")	1.85

SERVICE PAK. 18-gauge 5-core solder. 60% tin, 40% lead. Shpg. wt., 12 oz.

50 N 599....................50¢

TIN/LEAD SOLDER. With non-corrosive Ersin flux. 60% tin and 40% lead. 1 lb. spools. Wt. per spool. 1¾ lbs.

Stock No.	Gauge	EACH
50 N 730	16 (.064")	2.28
50 N 733	18 (.048")	2.33
50 N 736	20 (.036")	2.51

"SAVBIT" SOLDER. 5 cores of flux. Copper-tin-lead alloy reduces tip wear, has greater strength than tin-lead alloys. 1 lb. spools. Wt. per spool, 1¾ lbs.

Stock No.	Gauge	EACH
50 N 121	14 (.080")	2.18
50 N 123	16 (.064")	2.20
50 N 629	18 (.048")	2.28
50 N 635	20 (.036")	2.48

G-C Soldering Aid Tools

F MODEL 9088. Wire brush and chromed slotted holding end. Stainless steel. 8" long. Wt., 4 oz.

50 N 000....................98¢

G H MODELS 9075 (Fig. G) and 9076 (Fig. H). Nickel-plated ends, 1 probe, 1 slotted. Use to ream, hold or pry. Solder won't stick to tool. 5" long. 4 oz.

50 N 728. Straight Probe. (Fig. G)..78¢

50 N 729. Angled Probe (Fig. H)....78¢

J MODEL 9093. For printed circuits. Offset and slotted probes of hardened stainless steel—solder won't stick to tool. 8" long. Wt., 4 oz.

50 N 586....................98¢

K MODEL 9094. Stainless steel brush, hardened steel scraper. Designed for printed circuit boards. Solder won't stick to tool. 8" long. 3 oz.

50 N 587....................96¢

Miller L
G-C
M

Soldering Heat Sinks

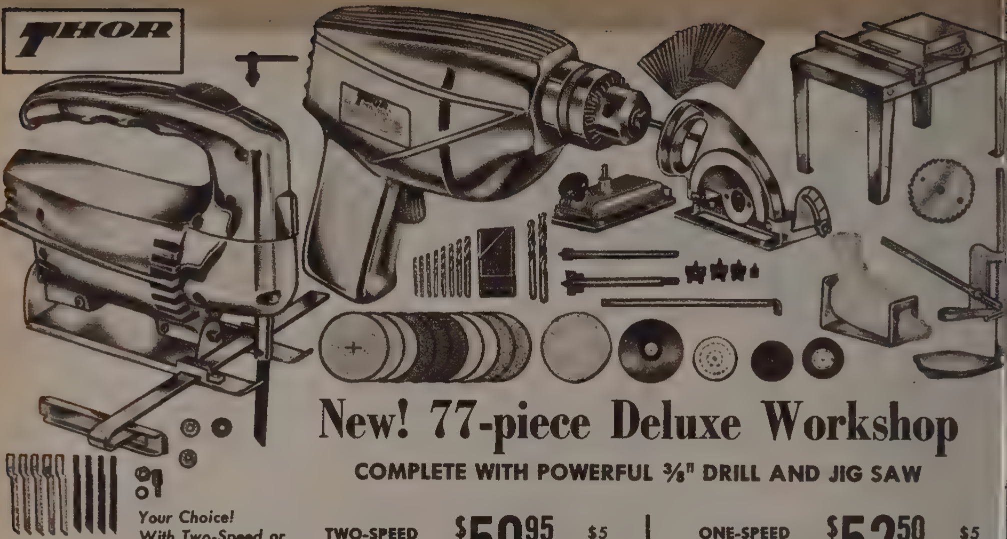
L MILLER MODEL 80. Spring-type sink has copper jaws for high heat absorption, cool plastic handles. 6 oz.

50 N 743....................95¢

M G-C MODEL 9077. Lightweight sink gives firm grip. Aluminum—solder won't stick. Wt., 3 oz.

50 N 742....................35¢

epend on Allied for Torch and Solder Equipment



New! 77-piece Deluxe Workshop

COMPLETE WITH POWERFUL 3/8" DRILL AND JIG SAW

Your Choice! With Two-Speed or Single-Speed Tools

TWO-SPEED Tool Kit $59 95 $5 monthly | **ONE-SPEED Tool Kit** $52 50 $5 monthly

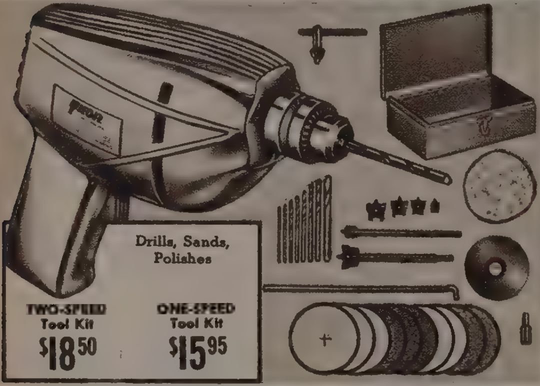
With TWO-SPEED Tools. Value packed workshop with all the power tool accessories you need. Thor burnout-proof TWO-SPEED drill and TWO-SPEED jig saw have fast speed for wood and other light jobs, slow speed for steel or masonry. Saves drill bits, blades, and auger bits. You get all this at a money-saving price:

3/8" TWO-SPEED DRILL. Switch selected speeds: 1750 and 2200 rpm (no load). Capacity, 3/8" dia. in steel; 3/4" in hardwood. Burnout-proof, 3-amp motor has welded commutator connections. Bronze bearings, geared chuck and polished die-cast aluminum housing.

TWO-SPEED JIG SAW. Switch selects 2500 or 3400 strokes per min. (no load). 3.1-amp burnout-proof motor. Cuts 2" in soft wood; 1/8" in steel. All-steel hobbed gearing, self-oiling bronze bearings, 45° tilt base, polished aluminum housing.

ACCESSORIES. Drill key; 10 jigsaw blades (4 metal, 6 wood); ri guide; 10 assorted 5" sanding discs; 5" rubber backer; orbital sande attachment; 20 sheets of sandpaper; vertical drill press; horizonta drill stand; 3" cloth buff; 3" grinding wheel; paint stirrer; circula saw attachment, 4½" blade; 11 drill bits (1/16"-3/8"); 3" wire brush; 3-pc. saw table; 3-pc. arbor set; 6 wood-boring bits; 5" wool bonnet Industrially rated, U.L. Listed with 3-wire cords, grounding-typ safety plugs. For 110-120 v., 60 cycle AC.
51 NU 681. Shpg. wt., 24 lbs. 59.9

77-PIECE WITH ONE-SPEED TOOLS. Includes all accessorie above, but one-speed, 1750 rpm (no load) drill and one-speed, 340 stroke per minute jig saw instead of two-speed tools. 24 lbs.
51 NU 682 . . . . **52.5**


Drills, Sands, Polishes

TWO-SPEED Tool Kit $18 50

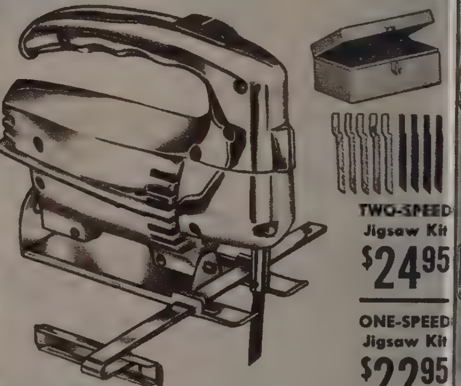
ONE-SPEED Tool Kit $15 95

35-piece TWO-SPEED 1/4" Drill Kit

- **Switch-Selected Speeds, 2200 and 1750 rpm (No Load)**
- **High Speed for Light Materials**
- **Low Speed for Steel or Masonry**
- **Burnout-proof Motor**
- **Portable, Includes Carrying Case**

Kit includes: powerful, 3 amp, TWO-SPEED 1/4" drill with key; 10—5" sanding discs; 3-pc. arbor set; 5" lambswool bonnet; 5" rubber backer; 8-pc. wood auger bit set; 9 drill bits, 1/16 to 1/4"; plus metal carrying case. U.L. Listed. For 110-120 v., 60 cycle AC. 9 lbs.
51 NX 683 . . . . 18.50

51 NX 684. 35-Piece One-Speed 1/4" Drill Kit. As above, but with single-speed 1600 rpm (no load) 2.5-amp drill. 9 lbs. **15.95**

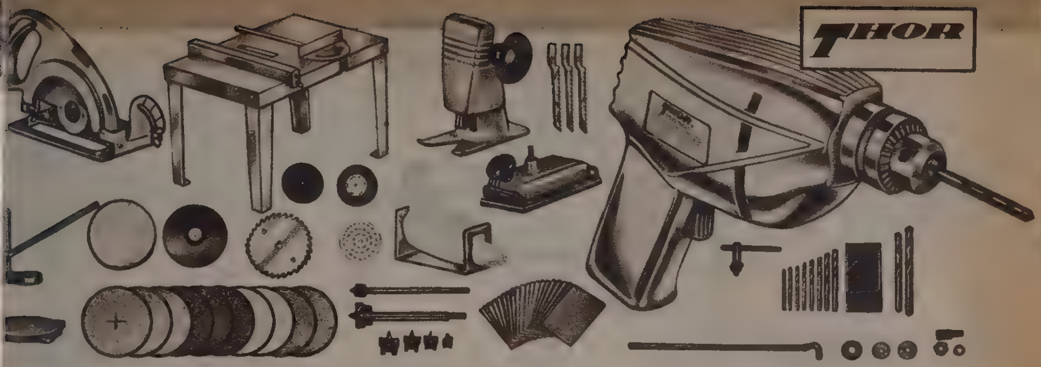

TWO-SPEED Jigsaw Kit $24 95

ONE-SPEED Jigsaw Kit $22 95

12-piece TWO-SPEED Jig Saw Kit

MODEL 510-SC. 2500 or 3400 strokes per /min. (no load 3.1-amp motor has welded commutator that won't burn ou Cuts 2" in soft wood, 1/8" in steel. All-steel hobbed gearin self-oiling bronze bearings, 45°-tilt base, aluminum housin With rip guide-circle cutter, 10 blades (4 metal, 6 woo metal case, 6' 3-wire cord and plug. Ind. rated. U.L. Liste 110-120 v., 60 cycle A.C. 9 lbs.
51 NX 685. *$5 Monthly* 24.9

51 NX 686. 12-Piece One-Speed Jig Saw Kit. As abov but 3400 strokes/min. (no load) only. 9 lbs. **22.9**



New! 69-piece Home Hobbyists' Delight

WITH 3/8" DRILL FEATURING BURNOUT-PROOF MOTOR

TWO-SPEED Tool Kit $39.95 $5 monthly | **ONE-SPEED Tool Kit** $36.50 $5 monthly

- **For Drilling, Sawing, Sanding**
- **Circular and Jig Saw Attachments**
- **Burnout-Proof 3-Amp Motor**

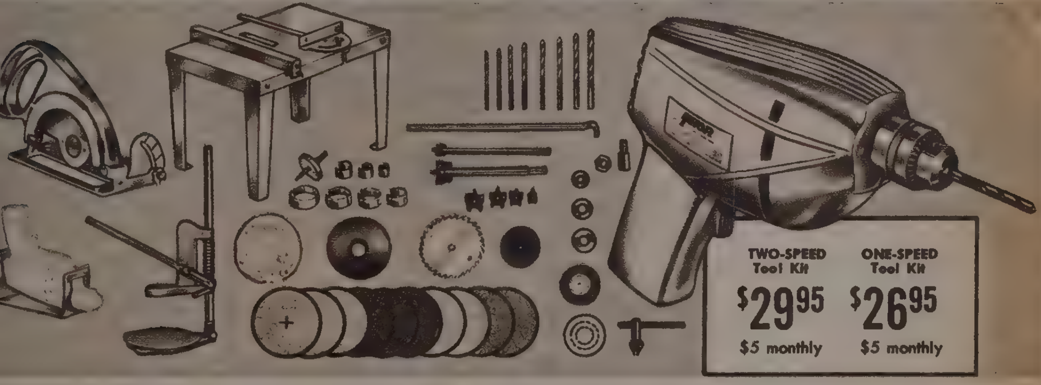
h TWO-SPEED Drill. Lets you match the drill speed to the job— speed for light jobs, slow speed for steel, masonry, etc. Saves drill bits and auger bits. Makes drilling, sawing, sanding and shing "professional." You'll actually look forward to jobs around house with this workshop. Heart of this outfit is Thor's industrially d 3/8" drill with a switch for instant selection of 1750 rpm and 0 rpm speeds (no load). 3-amp motor has welded commutator nections—won't burn out. Capacity, 3/8" diameter in steel; 3/4" hard wood. Also features: self-oiling bronze bearings; geared ck and key; polished die-cast aluminum housing. U.L. Listed. d look at the accessories that make this an exceptionally versatile kshop: vertical drill press; horizontal drill stand; orbital sander chment; 20 sheets of sandpaper; jig saw attachment; 3 jig saw des; circular saw attachment; 4 1/2" circular saw blade; saw table; 3" grinding wheel; 3" cloth buff; 3" wire brush; ten 5" sanding discs; 3-piece arbor set; paint stirrer; rubber backing pad; 11 assorted drill bits (1/16" to 3/8"); 5" lambswool polishing bonnet; and an 8-pc. wood auger bit set (3/8" to 1"). Drill has 6-ft., 3-wire cord with grounding-type plug. For 110-120 volts, 60 cycle AC. Shpg. wt., 20 lbs.

51 NU 687. *$5 Monthly*.......................... 39.95

With ONE-SPEED Drill. As above, with all accessories but with one-speed drill, 1750 rpm speed (no load). An economy priced home workshop. Shpg. wt., 20 lbs.

51 NU 688. *$5 Monthly*.......................... **36.50**

Use Your Allied Credit Fund to Get The Tools You Want Now! Small Monthly Payments. See Order Blank for Details.



TWO-SPEED Tool Kit $29.95 $5 monthly

ONE-SPEED Tool Kit $26.95 $5 monthly

Value-Packed 49-piece 1/4" Drill Kit For Home or Shop

- **Invaluable for Hundreds of Jobs in Every Home**
- **Drill Has Welded Commutator That Won't Burn Out**
- **For Drilling, Sawing, Sanding and Polishing**
- **Choice of Two-Speed or One-Speed Drill**

th TWO-SPEED Drill. For home, shop, garage or farm. Powerful, rnout-proof drill and attachments handle hundreds of do-it-your- f projects. Has latest two-speed feature—fast speed for light jobs d slow for heavy steel or masonry. An extra feature that saves its st in drill bits, saw blades and auger bits. Switch selects either 00 or 1750-rpm (no load). Powerful, 3-amp drill has bronze bear- gs and geared chuck with key. Attachments chosen for maximum efulness; consisting of circular saw attachment; 4 1/2" circular saw de; set of 6 wood-boring bits; 4-legged saw table; set of 9 drill bits (1/16 to 1/4"); ten 5" sanding discs; 5" lambswool bonnet; 5" rubber backing pad; 3-piece arbor set; vertical drill press; horizontal drill stand; 7-piece hole saw attachment; 3" grinding wheel; 3" cloth buff; and 3" wire brush. U.L. Listed. Has 3-wire grounding-type safety cord and plug. For 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.

51 NU 689. *$5 Monthly*.......................... 29.95

With ONE-SPEED Drill. Above, 2.5-amp drill 2100-rpm (no load).

51 NU 690. *$5 Monthly*.......................... **26.95**

NEW!

2-Speed Electronically Controlled Power Drills

Drill Wood, Metal, Plastic, Anything—You Get the Right Speed for the Job and You Can Change Speeds Instantly

THOR
1/4"
$15.49
3/8"

BOTH UNITS HAVE:
- Burnout-Proof 3-Amp Motor
- Welded 11-Bar Commutator
- Electronic Speed Control

$5 monthly $19.49

Two-Position Switch Controls Drill Speed—Electronically

Electronically-Controlled 3/8" Drill

MODEL D76-SC. New heavy-duty 3/8" power drill features electronically-controlled dual-speed operation for top performance and maximum convenience. Trigger switch selects either low speed of 700 rpm (no load) for drilling heavy metals and plastics; or high speed of 900 rpm (no load) for drilling wood and lighter metals—always the right speed for the job. With load, 450 and 600 rpm. Capacity: 3/8" diam. in steel, 3/4" dia. in hard wood. Rugged air-cooled 3-amp "thermoweld" burnout-proof motor has welded 11-bar commutator. Also: double-reduction steel gears, self-oiling bronze alloy bearings, geared chuck and key. Trigger switch has locking pin. Aluminum housing. Length, 8½". With 6-ft. 3-wire cord and plug. Industrially rated by U.L., C.S.A. approved. For 110-120 v., 60 cycle AC. Less drill bit. 5 lbs.
51 N 410-G. *$5 Monthly*........................19.49

51 N 131-G. Model 535-SC. Same as above but with ball bearing on spindle. $5 Monthly........................22.49

Electronically-Controlled Deluxe 1/4" Power Drill

MODEL D72-SC. New low-cost 1/4" power drill offers electronically-controlled dual-speed operation. Depress trigger switch for low speed of 1750 rpm (no load) to drill heavy metals, plastics or concrete. Depress switch farther to select high speed of 2200 rpm (no load) for drilling through wood and lighter metals. With load, 1000 and 1600 rpm. Capacity: 1/4" diameter in steel, 1/2" diameter in hard wood. Husky air-cooled 3-amp "thermoweld" motor will not burn out, has welded 11-bar commutator that provides powerful torque. Trigger switch has locking pin for sustained operation. Also features self-oiling bronze bearings, geared chuck and key. Polished die-cast aluminum housing. Length, 8¼". With 6-ft. 3-wire cord and plug. Industrially rated by U.L., C.S.A. approved. For 110-120 v., 60 cycle AC. Less drill bit. 4 lbs.
51 N 409-G..15.49

51 N 132-G. Model 527-SC. Same as above but with ball bearing on spindle. *$5 Monthly*........................18.95

SKIL
3/8"
$24.47
$5 monthly
THOR
3/8"
$16.49
3/8"
$10.88

Skil Deluxe 3/8" Power Drill

- Powerful 3-Amp High-Speed Motor
- High-Torque Double-Reduction Gears
- Convenient Removable Side Handle

MODEL 560. Rugged, reliable 3/8" power drill for the home workshop as well as industrial use. Drills holes up to 3/8" diameter in steel, up to 3/4" in wood. No load speed is 1000 rpm. Powerful 3-amp motor utilizes double reduction gears for high torque. Oversize fan provides more effective motor cooling. Convenient removable side handle gives extra control when using large bits or accessories. Also has trigger switch with locking pin for sustained operation, geared chuck and key. 9¾" long. With 6-ft. 3-wire cord and plug, 2-prong adapter. U.L. listed. For 110-120 v., 60 cycle AC. Less drill bit. Shpg. wt., 4¼ lbs.
50 N 542. *$5 Monthly*.........24.47

Thor Economy 3/8" Power Drill

- Husky 3-Amp Burnout-Proof Motor
- Tough Double-Reduction Gearing
- Welded 11-Bar Commutator

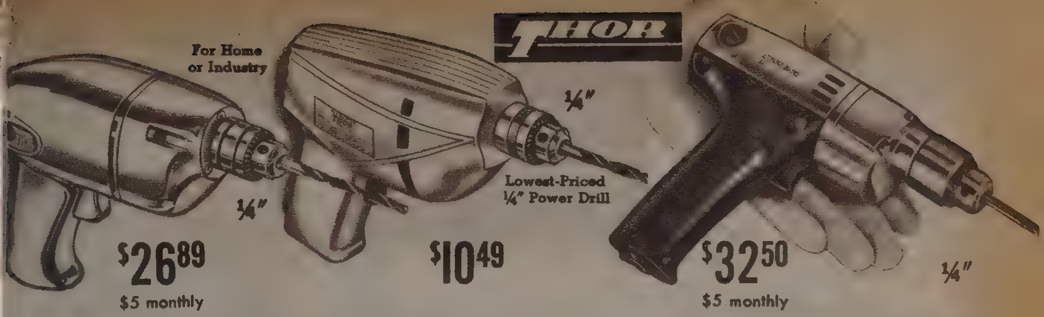
MODEL D75. Value-packed power drill with a husky 3-amp "thermoweld" motor that will never burn out. Gives you enough power for drilling all types of materials. Drills holes up to 3/8" dia. in steel, up to 3/4" dia. in hard woods. Has tough double-reduction gears, self-oiling bronze-alloy bearings and welded 11-bar commutator—provides 900-rpm no-load speed plus high torque for heavy loads. With load, 600 rpm. Also: spring-loaded trigger switch with locking pin, geared chuck and key, polished die-cast aluminum housing. 8¼" long. With 6-ft. 3-wire cord and plug. U.L. listed. For 110-120 v., 60 cycle AC. Less drill bit. 5 lbs.
50 N 855....................16.49

Thor Low-Cost 3/8" Power Drill

- Our Lowest-Cost 3/8" Power Drill
- Husky 3-Amp "Thermoweld" Motor
- Welded 11-Bar Commutator

MODEL D2. Great for hundreds of jobs around the home workshop. Features the same husky 3-amp "thermoweld" motor as is found in more expensive drills—it will never burn out. Self-oiling bronze alloy bearings provide smooth, quiet operation. Welded 11-bar commutator gives 1750-rpm no-load speed plus high torque for heavy loads. With load, 1300 rpm. Spring-loaded trigger switch with locking pin for continuous operation, geared chuck and locking key, satin aluminum housing. 8¼" long. With 6-ft. 3-wire cord and plug. Industrially rated by U.L., C.S.A. approved. For 110-120 v., 60 cycle AC. Less drill bit. 6 lbs.
50 N 856....................10.88

See Drill Bits and Accessories In This Section



Deluxe ¼" Power Drill

Thor's Finest ¼" Power Drill
2200-Rpm 3-Amp "Thermoweld" Motor
Heavy-Duty Ball Bearing on Spindle

ODEL 501. Features a husky 3-amp burn-ut-proof motor. Capacity is ¼" diameter in teel, ½" diameter in hard wood. With load, 400 rpm. No-load speed is 2200 rpm. Uses eavy-duty ball bearing on spindle for quiet, recise drilling. Has 11-bar commutator, eared chuck and key, trigger switch with ocking pin for sustained operation, polished luminum housing. 8¼" long. With 6-ft. 3-vire cord and plug. Industrially rated by J.L., C.S.A. approved. For operation from 10-120 v., 60 cycle AC. Less drill bit. Shpg. vt., 5 lbs.

0 N 842. *$5 Monthly*. 26.89

Skil Economy ¼" Power Drill

Cool-Running 2500-Rpm 2½-Amp Motor
Helical Gears for Higher Torque
Self-Adjusting Armature Brushes

ODEL 503. Basic tool for home workshop. ndustrially rated "503" has cool-running ½-amp motor with self-adjusting armature rushes, helical gears for higher torque. o-load speed is 2500 rpm. Spring-loaded rigger switch with locking pin, geared huck and key. 9" long. With 6-ft. 3-wire ord and plug, 2-prong adapter. U.L. listed. or 110-120 v., 60 cycle AC. Less drill bit. Vt., 4½ lbs.

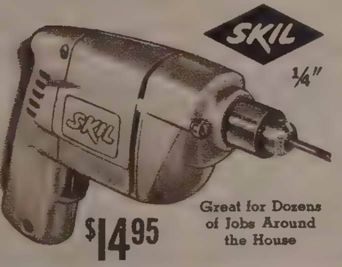
0 N 522 . . . . 14.95

Economy ¼" Power Drill

- **Hundreds of Uses Around the Home**
- **2100-Rpm 2.5-Amp "Thermoweld" Motor**
- **Self-Oiling Bronze Alloy Bearings**

MODEL D1. Low in cost, high in quality. Has 2.5-amp "thermoweld" motor that will not burn out. Drilling capacity is ¼" diameter in steel, ½" diameter in hard wood. No-load speed is 2100 rpm. With load, 1600 rpm. Has self-oiling bronze bearings, 11-bar commutator, geared chuck and locking key, spring-loaded trigger switch with locking pin for sustained operation, satin aluminum housing. With 6-ft. 3-wire cord and plug. Industrially rated by U.L., C.S.A. approved. For 110-120 v., 60 cycle AC. Less drill bit. Shpg. wt., 5 lbs.

50 N 843 . . . . 10.49



Great for Dozens of Jobs Around the House

New Thor Midget ¼" Drill Fits In Your Palm

Lightweight But Loaded With Power

- **1200-Rpm 1.5-Amp "Thermoweld" Motor**
- **Weighs Just 27 Ounces (Less Cord)**
- **Utilizes A Special Diode Circuit and Permanent Magnet Stator**

MODEL E110. Newly improved for higher torque, it's just half the size of a conventional ¼" drill, yet has a drilling capability of ¼" diameter in steel, ½" diameter in hard wood.

Highly dependable 1.5-amp motor will never burn out, uses space-age diode circuit with a specially-constructed permanent-magnet stator. Armature is wound with specially insulated wire that resists high temperatures. Each lead is welded to its commutator to virtually eliminate failure due to overheating. Also has 18 commutator bars, double-reduction gears and ball-thrust bearings. No-load speed, 1200 rpm. With load speed, 1100 rpm.

Precision million-cycle adjustable trigger switch, 3-jaw geared chuck with locking key. Zytel "warm touch" high-strength pistol grip, polished die-cast aluminum case.

Only 6$\frac{7}{16}$" long. With 8-ft. 3-wire cord and plug. Industrially rated by U.L. For operation from 100-120 v., 25-50 cycle AC. Less drill bit. Shpg. wt., 3 lbs.

50 N 844. *$5 Monthly*. 32.50

Industrially-Rated ½" Power Drills

Standard-Duty ½" Reversible Power Drill

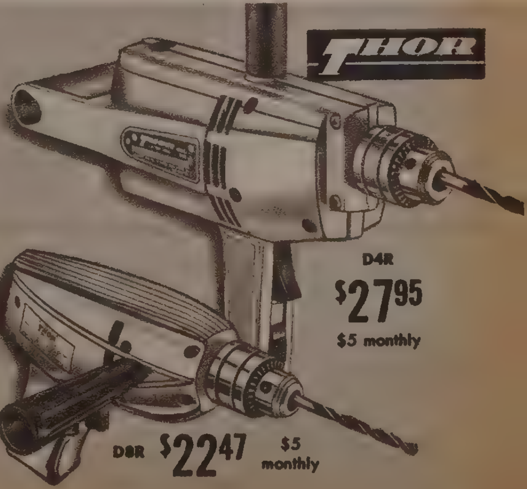
MODEL D4R. Powerful 4-amp "thermoweld" motor won't burn out, built-in reversing switch to back bit out of hole, self-oiling bronze bearings. Capacity is ½" in steel, 1¼" in wood. No-load speed, 650 rpm. With load, 450 rpm. Has geared 3-jaw chuck and key, trigger switch with locking pin, removable top handle, satin aluminum housing. With 6-ft. 3-wire cord and plug. Industrially rated by U.L., C.S.A. approved. For 110-120 v., 60 cycle AC. Less drill bit. Shpg. wt., 11 lbs.

50 NX 847. *$5 Monthly*. 27.95
50 NX 848. Model D4. Above, not reversible **24.95**

Compact ½" Reversible Power Drill

MODEL D8R. Offers handy switch that reverses full-power 3-amp "thermoweld" motor to back drill bit out of hole. No-load speed is 600 rpm. With load, 400 rpm. Has self-oiling bronze bearings, 11-bar commutator, geared chuck and key, trigger switch with locking pin, removable side handle, polished aluminum housing. With 6-ft. 3-wire cord and plug. Industrially rated by U.L., C.S.A. approved. For 110-120 v., 60 cycle AC. Less drill bit. Shpg. wt., 5½ lbs.

50 NX 852. *$5 Monthly*. 22.47
50 NX 854. Model D8. Above, not reversible **19.88**



Purchase A Power Drill On Allied's Credit Fund Plan

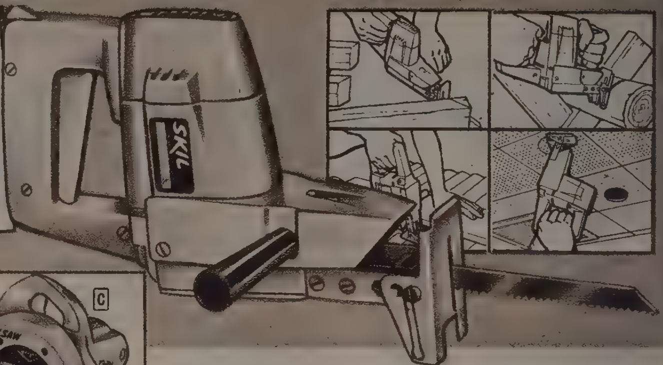
Power Saws for Light and Heavy Work

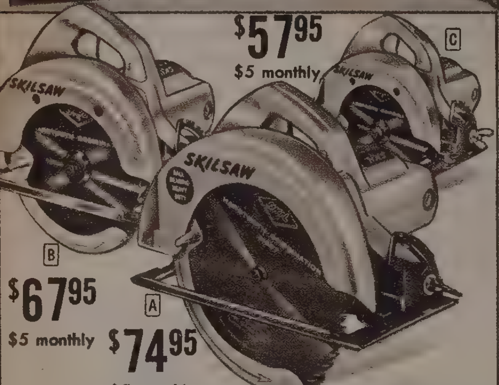
SKIL

VIRTUALLY UNLIMITED
CUTTING CAPACITY

**Model 577
"Recipro-Saw"
with 3 Different
Cutting Blades**

$\$36^{95}$
$5 monthly





[C] $\$57^{95}$ $5 monthly

[B] $\$67^{95}$ $5 monthly

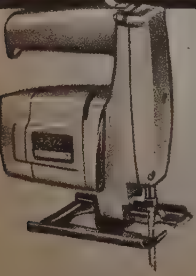
[A] $\$74^{95}$ $5 monthly

Heavy-Duty Ball-Bearing Saws

[A] **MODEL 554 8¼" SAW.** Has power and cutting capacity for continuous or professional use. Husky 13-amp ball-bearing motor develops over 2 hp. Has 3 long wearing ball bearings, needle bearing and helical gears. 8¼" circular blade cuts vertically from 1/16" to 2⅞" at 90°; maximum depth is 2⅛" at 45°. No-load speed, 5200 rpm. Has exclusive blade lock for fast, easy blade changes. Also includes: anti-kickback safety clutch; sawdust blower; easy-to-set depth control; protractor; and bind-free blade guard. 12" long. With hardtooth combination blade; blade wrench; 3-wire cord and plug; 2-prong adapter. U.L. Listed. For 110-120 v., AC. Wt., 17 lbs.
50 NU 874. ***$5 Monthly*** 74.95

[B] **MODEL 553 7¼" SAW.** Same features as Model 554 above, but has 12-amp, 2-hp motor; cuts from 1/16" to 2⅜" at 90°. Maximum depth is 1⅞" at 45°. Depth control, protractor, safety clutch. U.L. Listed. 16 lbs.
50 NX 833. ***$5 Monthly***.......................67.95

[C] **MODEL 552 6½" SAW.** Similar to Model 553 above, but with 10-amp motor that develops over 1½ hp. Cuts from 1/16" to 2 3/16" at 90°; maximum depth is 1¾" at 45°. Has no-load speed of 5800 rpm. Overall length, 10¼". U.L. Listed. Shpg. wt., 15 lbs.
50 NX 533. ***$5 Monthly***.......................57.95



Deluxe Jig Saw

MODEL 524. Lightweight but powerful. Crosscuts, rips, scrolls, notches and bevels. Cuts intricate patterns; makes own starting hole. Cuts soft woods to 2"; soft metals to ½"; mild steel to ⅛". 2.3-amp motor provides 3700—⅝" strokes/minute, no-load. Anti-friction self-lubricating bearings. 7½" long. With 3 wood-cutting blades, wrench, 3-wire cord, adapter. U.L. Listed. For 110-120 v., AC. Wt., 5½ lbs.
50 N 519. ***$5 Monthly***.....26.45

Heavy-Duty "Recipro-Saw" with 3 Blades

MODEL 577. Versatile power saw offers a host of important uses in your workshop. Quickly cuts anything from 6" logs to thin plastic sheeting. Makes rip, miter, bevel, straight and flush cuts. Sturdily constructed; features rugged double reduction gears, adjustable foot, 3-position side handle. Powerful 3-amp motor provides 2000—¾" strokes per minute. Length, 11¾". Supplied with 3 blades (1—Type 25922, 1—Type 20538 and 1—Type 20541—all described below); 3-wire cord, plug; 2-prong adapter. U.L. Listed. For 110-120 v., AC. Shpg. wt., 6½ lbs.
50 NX 789. ***$5 Monthly*** 36.95

Accessory Blades for Model 577 Saw

50 N 790. **Type 23608 6" Metal-Cutting Blade.** Wt., 2 oz.....**67¢**

50 N 793. **Type 23606 6" Plaster-Cutting Blade.** Wt., 2 oz....**27¢**

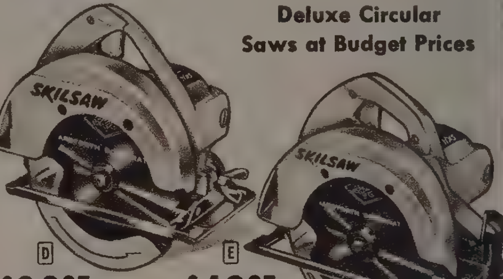
50 N 795. **Type 20538 4" Wood Scroll Blade.** Wt., 2 oz......**60¢**

50 N 796. **Type 20541 4" Multi-Purpose Blade.** For fast roughing-in cuts in wood with nails, soft metals, etc. Wt., 2 oz..........**20¢**

50 N 797. **Type 20543 12" Multi-Purpose Blade.** Wt., 2 oz....**47¢**

50 N 875. **Type 25922 9" Wood-Cutting Blade.** Special design for heavy wood cutting. Shpg. wt., 3 oz.........................**73¢**

Deluxe Circular Saws at Budget Prices



[D] $\$38^{95}$ $5 monthly

[E] $\$49^{95}$ $5 monthly

[D] **MODEL 536 6½" SAW.** Has 9-amp, 1-hp motor. Cuts from 1/16" to 2 3/16" at 90°; 1¾" at 45°. Features safety clutch, depth and angle controls, sawdust blower, bind-free lower blade guard. No-load speed, 6300 rpm. Length, 9½". With combination blade, blade wrench, 3-wire cord, 2-prong adapter. U.L. Listed. For 110-120 v., AC. Shpg. wt., 12 lbs.
50 NX 534. ***$5 Monthly***.......................................38.95

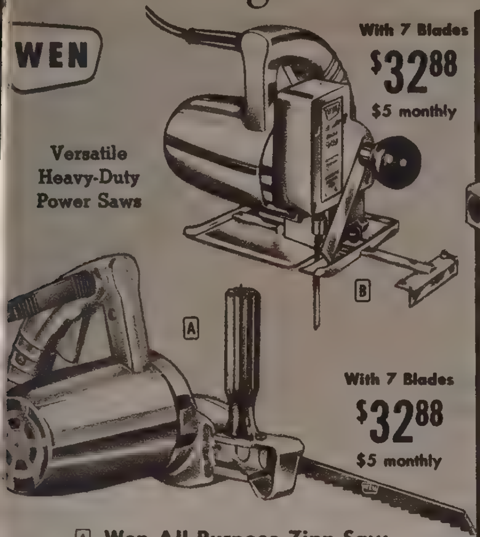
[E] **MODEL 537 7¼" SAW.** 10-amp motor develops 1½ hp. Includes: anti-kickback clutch, sawdust blower, blade lock, and easy-setting depth control. Cuts from 1/16" to 2⅜" at 90°; depth of cut at 45°, 1⅞". No-load speed, 5150 rpm. 12" long. With combination blade, wrench, 3-wire cord and plug, 2-prong adapter. U.L. Listed. For 110-120 v., AC. Shpg. wt., 17 lbs.
50 NX 486. ***$5 Monthly***.......................................49.95

Equip Your Shop Now—Use Allied's Credit Fund

rom Leading Tool Manufacturers

WEN

Versatile
Heavy-Duty
Power Saws

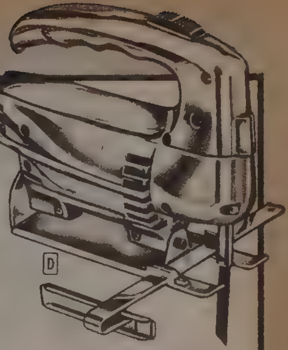


With 7 Blades
32^{88}
$5 monthly

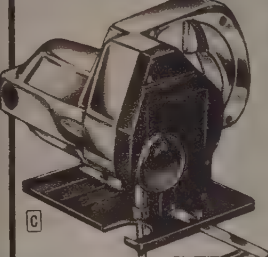
With 7 Blades
32^{88}
$5 monthly

THOR

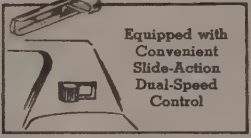
DUAL-SPEED SAWS



With 4 Blades
25^{49}
$5 monthly



With 6 Blades
36^{88}
$5 monthly



Equipped with
Convenient
Slide-Action
Dual-Speed
Control

Electronically
Controlled
Speeds

A Wen All-Purpose Zipp Saw

ODEL 920. Designed to handle the most rugged jobs. Power hack-aw saws up to 6″ timbers, 2″ pipe! Features 1/3-hp, 4 1/4-amp motor; eavy-duty roller and oilite bearings; hardened gears. Makes scrolls, urves, straight- and flush-cuts in wood, metal, plastic, etc. Starts wn hole! Air stream clears dust from work for clear blade viewing. elivers 3200—1″ strokes/min. Has convenient saw grip, auxiliary rip handle, safety release switch. With 7 assorted blades. Polished luminum housing. With 3-wire, 8-ft. cord and plug. U.L. industrially ated. For 110-120 v., 50-60 cycle AC. Wt. 8 1/2 lbs.

50 N 873. *$5 Monthly* 32.88

B Wen Heavy-Duty "All-Saw"

MODEL 909. High-power saw for all types of cutting. Makes straight uts, inside cuts, arcs, circles, in wood, metal, and tile. Cuts 1/2″ metals, 6″ wood; saws 6x6's at 90°. Has 1/2-hp, 6-amp motor; oilite bearings; hardened gears. Delivers 3400—1″ strokes/min. With sawdust blower, rip guide, 3-wire cord, 2-prong adapter, 7 blades. Lightweight aluminum housing. 7 1/2x7x8″. U.L. industrially rated; C.S.A. approved. For 110-120 v., AC-DC. 8 1/4 lbs.

50 N 236. *$5 Monthly* 32.88

50 N 237. **Model 900 Replacement Blade Set.** For Models 920 and 909, above. 7 assorted blades. Shpg. wt., 1/2 lb. **2.50**

C Thor Heavy-Duty Dual-Speed Saw

- Burnout-Proof Motor
- Easy to Handle
- Self-Oiling Bearings
- Rip Fence Included

MODEL JS21-SC. Lightweight—cuts 4x4's at 45°; 6x6's at 90°. Burnout-proof 4.5-amp "thermoweld" motor, ball and self-oiling bronze bearings, auxiliary knob handle. Has dual speed control—operates at 1900 and 2400 strokes/minute (no load). Length of stroke, 1 1/16″; angle of adjustment, 0-45°. High-polish finish, black crackle trim. U.L. industrially rated; C.S.A. approved. With rip fence, 6-ft., 3-wire cord and plug and 6 asst'd blades. For 110-120 v., AC. Shpg. wt., 8 lbs.

50 N 985. *$5 Monthly* 36.88

D Thor Dual-Speed Jig Saw

- Rugged Construction
- Burnout-Proof Motor
- Positive Hi-Lo-Off Switch
- Base Tilts 45° Each Way

MODEL 510-SC. 3.1-amp motor won't burn out. Capacity in soft wood, 2″; in steel, 1/8″. 2500 and 3400 strokes/minute (no load). Length of stroke, 5/8″. 6 3/4x2 15/16x7 9/16″. U.L. industrially rated; C.S.A. approved. With rip fence, 6-ft., 3-wire cord and plug and 4 blades. For 110-120 v., AC. Wt., 5 1/2 lbs.

51 N 411. *$5 Monthly* 25.49

51 N 986. 508 Single-Speed Jig Saw. Above, but 3400 strokes/minute (no load) only. 5 1/2 lbs. ***$5 Monthly*** **22.88**

Thor Lightweight Jig Saw

- "Thermoweld" Burnout-Proof 3-amp Motor
- Self-Oiling Bronze Bearings

MODEL JS-20. Economy-priced single-speed jig saw. Capacity of 2″ in wood, 1/8″ in steel. Cuts 2x4's at 45°. 3-amp "thermoweld" burnout-proof motor, self-oiling bronze bearings, auxiliary knob handle, and rip fence. No-load speed of 3000 strokes/minute; length of stroke, 5/8″. Base tilts to 45° angle. In high-polish housing with black crackle trim. 5x3 1/8x7 1/8″. U.L. industrially rated. With 6-ft., 3-wire cord and plug and 3 assorted blades. For 110-120 v., AC. Shpg. wt., 5 lbs.

50 N 987. *$5 Monthly* 14.95

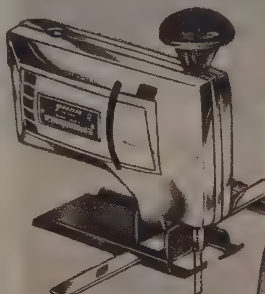
Thor 1.2 H.P. 7″ Circular Saw

- Burnout-Proof 8-Amp "Thermoweld" Motor
- 32-Bar Commutator; Adjustable Rip Fence

MODEL S11. Depth of cut is from 0 to 2 1/8″ (1 3/4″ at 45° angle). 8-amp, burnout-proof motor with 32-bar commutator; auxiliary knob handle; adjustable rip fence and safe slip clutch. No-load speed of 5000 rpm. U.L. industrially rated and C.S.A. approved. With 6-ft., 3-wire cord and one blade. For 110-120 v., AC.-Shpg. wt., 13 lbs.

50 NX 994. *$5 Monthly* 24.95

THOR

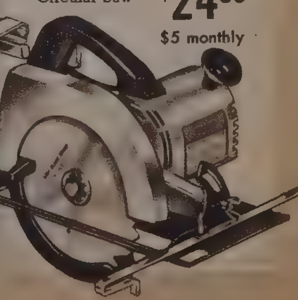


JS-20 Single-Speed
Jig Saw

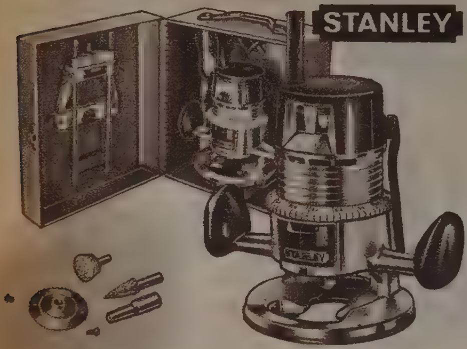
With 3 Blades
14^{95}

7″ 8-Amp.
Circular Saw

With Blade
24^{95}
$5 monthly



Quality Routers and Sanders for Your Workshop



Stanley Router Kit for Easy Woodworking

$\$69^{95}$

$5 monthly

- Precision Depth Adjustment—As Fine As ¼ of 1/64"
- Powerful ⅞-hp Motor; 23,000 rpm Speed
- Built-in Spotlight for Illuminating Work Area
- Includes All Accessories for Most Routing Jobs

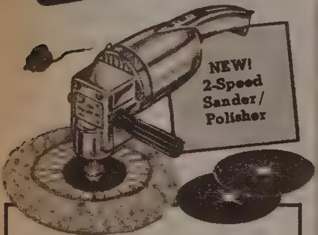
MODEL H295 ROUTER KIT. Designed to save you time and make your woodworking jobs much easier. Features advance design H264 router with powerful ⅞-hp, 6-amp motor; 23,000 rpm speed. Router is extremely easy to control; has 3 comfortable grip handles on sides. Built-in spotlight fully illuminates work area. Recessed, 3-position switch starts—stops router; automatically locks shaft for safety when changing bits and cutters. Complete with base, router guide, template guide, bit, 2—grinding wheels, wrench and portable, metal carrying case. For 110-120 v., AC. Shpg. wt., 19 lbs.

51 NX 133. *$5 Monthly*.................................69.95

H264 ROUTER ONLY. Has ⅞-hp, 6-amp motor, 23,000 rpm speed, built-in spotlight and other features described above. 9½ lbs.

51 NX 180. *$5 Monthly*.................................**54.95**

WEN POWER TOOLS



7" Sander/Polisher

$\$32^{88}$

$5 monthly

Powerful ½-hp 6-amp Motor has Precision Needle-Bearings and Rugged All-Gear Drive

MODEL 940. 7" disc-sander/polisher operates at two switch-selected, electronically controlled speeds: 3400-rpm for sanding; 1800-rpm for polishing. Unit is U.L. industrially rated; has ½-hp, 6-amp burnout-proof motor, needle point bearings, rugged all-gear construction. Also includes: built-in tool rest; removable handle for either side; flexible back-up pad; and back grip handle. Supplied with two sanding discs, wool bonnet, 6-ft., 3-wire cord, and adapter. Overall length, 14". For 110-120 v., 60 cycle AC. Shpg. wt., 8½ lbs.

51 N 406. *$5 Monthly*...32.88

51 N 407. Extra 7" Wool Bonnet. Shpg. wt., 10 oz.............**2.49**

51 N 408. Extra Sanding Discs. Wt., 8 oz..........Pkg. of 6 **1.29**

WEN

Model 910
Belt Sander

Wen Deluxe 3" Belt Sander

MODEL 910. Handles toughest jobs with its powerful ⅓-hp; 4¼-amp motor. Has free belt speed of 850 feet per minute. Features include: sawdust blower; quick, easy belt changing; comfortable contour grip. With coarse, medium and fine sanding belts (replacement belts below); and 6-ft. power cord. 5¾x5½x10½". For 110-120 v., 50-60 cycle AC. Wt., 9 lbs.

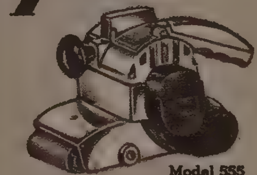
50 N 805. *$5 Monthly*...................32.88

50 N 806. Repl. Coarse Belt. 60 grit. 3 oz.......**52¢**

50 N 807. Repl. Medium Belt. 80 grit. 3 oz......**52¢**

50 N 808. Repl. Fine Belt. 120 grit. 2 oz.........**52¢**

THOR



Model 555
Belt Sander

Thor Heavy-Duty Variable-Speed Belt Sander

MODEL 555. Powerful performer at a low price! For fast removal of paint, cabinet work, other jobs. Lightweight, high-polished cast aluminum housing; burnout-proof, 5-amp motor; self-oiling, bronze bearings. Variable speed control adjusts for 750 to 950 feet/min. 2-position auxiliary knob and open-grip handle with slide switch make unit easy to operate. Has lug on top for mounting in bench vise—can be used as stationary table sander. With 3x18" sanding belt; knob handle; 3-wire cord and plug. U.L. industrially rated. For 110-120 v., AC or DC. Wt., 6½ lbs.

51 N 162. *$5 Monthly*...................34.95

51 N 167. Pkg. of 5 Assorted Belts. 8 oz.........**2.95**

THOR

D30
Orbital
Sander

New! Thor Orbital Sander

MODEL D30. Efficient orbital-type sander. Excellent for paint and varnish removal, fine cabinet finishing, and almost any other type of sanding job. Features powerful 2-amp "Thermoweld" motor that won't burn out, heavy-duty ball bearings, and large, 4½x5⅛" sanding area. Makes use of highly effective orbital motion; no-load speed is 3450 orbits per minute. Lightweight, easy to use even for long periods of time—has large, comfortably contoured handle; handy pushbutton on-off switch. In gleaming, high-polish, cast aluminum housing. U.L. industrially rated. For 110-120 v., 60 cycle AC. Shpg. wt., 6 lbs.

51 N 200....................................12.95

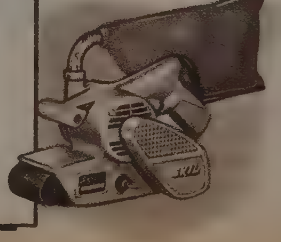
NEW! SKIL

3" Belt Sander with Dust Pickup

- Easy to Handle
- Lightweight Design

$\$51^{50}$

$5 monthly



MODEL 595. New, lightweight belt sander with built-in dust pickup unit. Draws sawdust into bag for easy disposal; keeps work dust-free at all times. Powerful 5½-amp burnout-protected motor maintains 925 ft./min. belt speed—even under heavy pressure. Wide 3" belt covers 16 sq. inch platen. Perfect balance and powerful motor assure accurate, straight-line sanding. Special compact shape permits sanding flush with vertical surfaces or getting into hard-to-reach areas. Lightweight design reduces operator fatigue; makes sanding on vertical and overhead surfaces easier. In die cast aluminum housing. Overall length, less pickup bag, 11¾". For 110-120 v., AC. Shpg. wt., 12 lbs.

51 NX 201. *$5 Monthly*.................................51.50

51 NX 202. Model 594 3" Belt Sander. Same features as Model 595 above, but less dust pickup unit. Wt., 11½ lbs. *$5 Monthly*......**44.95**

Precision Power Tool Kits, Bench Grinders

DREMEL

15" Jig Saw and Accessories

Dremel's Best!
Deluxe Moto-Shop Kit

$38⁹⁵ $5 monthly

- Complete Workshop
- Large 15" Jig Saw Has Power Takeoff
- Useful Accessories

MODEL 572. Complete power workshop in one compact unit. Big 15" jig saw has power takeoff for driving included accessories to do sawing, grinding, polishing, sanding and routing work plus many other jobs.

Saw has tilting table, 3450-rpm ball-bearing rotary motor, blade guard. Accessories include: disc sander; 4 saw blades; rubber backer; adapter; grinding wheel; cloth buffing wheel; wire-brush wheel; wheel guard; polishing compound stick; 12-pc. set of abrasive wheels; collet adapters; router; brush; and drill. U.L. Listed. For 110-120 v., 60 cycle AC. Wt., 17 lbs.
50 NX 834. *$5 Monthly*.....38.95

MODEL 2. Low cost precision "machine shop" in a single, compact case. Does excellent sanding, polishing, sawing and drilling work as well as many other important jobs. Ideal for use either around the home or in the shop.

Includes: Model 221, .65-amp., 27,000-rpm Moto-Tool; chuck; 3 collets; finger grip attachment; 4 emery wheel points; dressing stone; 8 high-speed steel carving cutters; high-speed steel saw; 3 bristle brushes; steel brush; shoulder mandrel with sanding disc; screw mandrel with felt wheel; ½" drum sander; and steel storage case. U.L. Listed. For 110-120 v., AC or DC. Wt., 4 lbs.
50 N 436. *$5 Monthly*..22.95
50 N 598. Model 221 Moto-Tool Only. Wt., 3 lbs..........**15.75**

Pocket Size "Machine Shop"

Dremel Low-Cost Moto-Tool Kit

$22⁹⁵ $5 monthly

- Hundreds of Uses in Home, Plant and Shop
- Sturdy Steel Storage Case
- Drills, Grinds, Polishes

MODEL 3. Includes identical accessories supplied with Model 2 Kit—but has heavier duty "Moto-Tool" for such operations as polishing, grinding dies and molds, pattern making and deburring. Tool has heavy duty .9-amp. motor that develops 27,000 rpm and sustains high torque under load. Lightweight (weighs only 18 oz.) for fatigue-free use. Shockproof bakelite housing. With 3-conductor cord, 2-prong adapter. U.L. Listed. For 110-120 v., AC or DC. Shpg. wt., 4 lbs.
51 N 213. *$5 Monthly*..29.95

51 N 265. Model 3 Moto-Tool Only. Shpg. wt., 3½ lbs...**22.95**

Dremel Heavy-Duty Moto-Tool Kit

Industrially Designed

$29⁹⁵ $5 monthly

THOR

⅓-hp Deluxe Bench Grinder

Model 118B **$16⁹⁵**

¼ HP Model 128B **$27⁹⁵** $5 monthly

$37⁹⁵ $5 monthly

All Ball Bearing Motor

Thor Medium and Heavy-Duty Bench Grinders

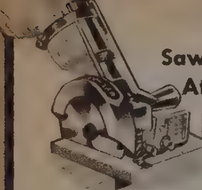
MODEL 118B. Light-to-medium-duty bench-type grinder with burnout-proof motor for the small shop, garage or home workshop. Dependable motor has no-load speed of 3450 rpm. Lightweight aluminum body—easy to carry to any location. Has water-cooling tray, tool rests, dust shields and protective eye shields. The 118B is complete with two grinding wheels (40 and 70-grit), 4½x ½" with ⅜" center holes; 6-ft. 3-wire cord. Length, 9¼". U.L. Listed. For 115 VAC. Shpg. wt., 11 lbs.
50 NX 850................16.95

MODEL 128B. Improved "Speed Grinder" for heavier jobs around the shop and home. Burnout-proof, ¼-hp shaded-pole motor gives 3450-rpm no-load speed—has self-aligning bearings that need no oil. Also has tool rests with angle guides, and reinforced protective eye shields. Lightweight portable cast-aluminum body has rubber feet. Two grinding wheels (46 and 75-grit), 6x¾" with ½" center holes. Overall length, 16". With 6-ft. 3-wire cord. U.L. Listed. For 110-120 v., 60 cycle AC. Wt., 25 lbs.
50 NU 851. *$5 Monthly*.....27.95

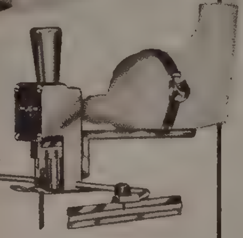
MODEL 130B. Does heaviest jobs with ease. Highly efficient ⅓-hp, burnout-proof, ball-bearing motor with no-load speed of 3450 rpm. Has removable plastic quench tray, die-cast tool rests with angle guides, parts tray, reinforced protective eye shields and adjustable spark arresters. Lightweight, portable die-cast aluminum-alloy housing with protective rubber feet. With two grinding wheels (46 and 75-grit), 6x¾" with ½" center holes. Length, 16". Heavy-duty 6-ft. 3-conductor lead cord. U.L. Listed. For 110-120 volts, 60 cycle AC. Wt., 27 lbs.
50 NU 868. *$5 Monthly*...............37.95

Equip Your Shop Now—Use Allied's Credit Fund

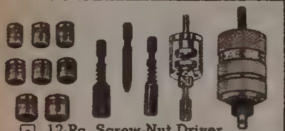
ARCO
Saw and Driver Attachments



Circular Saw . . . Fits Any ¼" Drill



Jig Saw . . . Fits Any ¼" Drill



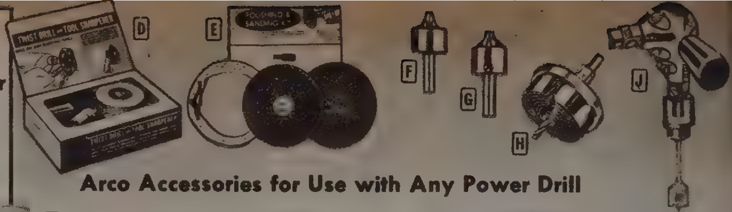
12-Pc. Screw-Nut Driver Set . . . Attaches to Any Drill

A **MODEL 460 CIRCULAR SAW.** Has slidelock that fits any ¼" drill. Detachable Dado-Arbor swivels blade to cut grooves to ½" wide, 1" deep. Cuts 2x4's. Depth and bevel gauges—cuts to 1¾", bevels to 45°. Right-angle steel gear drive. Self-lubricating bearings. With adjustable rip gauge, yoke, 5" blade. Shpg. wt., 4 lbs.
50 N 840 .... 8.63

B **MODEL 560 JIG SAW.** Fits any ¼" drill. Adjustable circle cutter, rip gauge—cuts circles to 20" dia., rips to 10" wide. Cuts 2x4's, plastic and metal. Has right-angle drive; self-lubricating bearings, sawdust blower. With blade. Shpg. wt., 2½ lbs.
50 N 231 .... 6.63

50 N 232. 6 Extra Blades. 2 each—coarse, medium, fine. ½ lb. **1.39**

C **MODEL 750 SCREW-NUT DRIVER SET.** For any drill. Clutch idles until pressure is applied, disengages when screw or nut is tight. 2 flat bits with bit holders for #4-8 and #8-14 slotted screws; #2 Phillips head bit; 6 hex socket wrenches (¼", 5/16", 11/32", ⅜", 7/16", ½"); 2 square sockets (¼", 5/16"); holder with ball-lock. 1 lb.
50 N 955 .... 4.95



Arco Accessories for Use with Any Power Drill

D **NO. 220 DRILL BIT SHARPENER.** Fits any electric drill. Includes: 3" grinding wheel with ¼" shank and guard; drill holder for sharpening any bits up to ½" dia.; tool rest for sharpening chisels, knives and scissors, blades, etc. 1½ lbs.
51 N 037 .... 1.39

E **NO. 305 5" POLISHING AND SANDING KIT.** Fits any electric drill. Includes: flexible molded rubber head with ¼" adapter; lambs wool bonnet; and sanding disc. Shpg. wt., 1 lb.
51 N 038 .... 1.25

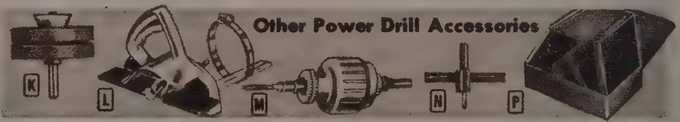
NO. 1160 ROUTER-DRILL. (Not illus.) Fits drill, drill press, lathe. Enlarges holes, makes circles, scrolls—any shape in wood, plastic, thin metal. Cuts own starting hole; moves in any direction. Hardened steel; sharp milled flutes. 1 lb.
51 N 039 .... 96¢

F **RADIUS CUTTER.** For any drill. Rounds corners of wood, plastics. ½ lb.
51 N 042. No. 16 for ⅛" **Edges** ... 1.05
51 N 043. No. 17 for 3/16" **Edges** **1.05**
51 N 044. No. 18 for ¼" **Edges** **1.05**

G **NO. 10 BEVEL CUTTER.** For any drill. Cuts 45° bevels; adjusts from 1/32" to 5/16" widths. 1 lb.
51 N 045 .... 1.39

H **NO. 650 HOLE SAW.** Cuts 1", 1¼", 1½", 1¾", 2", 2¼", 2½" holes. 1½ lbs.
51 N 046 .... **5.49**
51 N 047. 670 Hole Saw. ⅞", 1⅛", 1⅜", 1⅝", 1⅞", 2⅛", 2⅜" holes **5.49**

J **NO. 350 2-SPEED ANGLE-DRIVE.** Fits ¼" drills. 2:1 gear ratio—reversible. Halves drill speed for buffing or drilling large holes; doubles speed for smooth sanding. Swivel angle drive. 1½ lbs.
51 N 040 .... 3.45



Other Power Drill Accessories

K **BABCO KNIFE/SCISSORS SHARPENER.** Fits any ¼" drill. Beveled groove between grinders sharpens knives; cup-guide on shaft holds scissors at proper sharpening angle. Wt., 5 oz.
50 N 377 .... 75¢

L **AERO "ROTO-PLANE."** Fits ¼", ⅜" drills. For smooth edge planing of doors, windows, screens and cabinets. One hand operation. Depth of cut, 0 to 1/16"; width, to 1¾". Hardened, ground rotary blade. Guide edge for true 90° planing. With clamp for attachment to drill. 3 lbs.
50 N 954 .... 6.75

M **BABCO 825 5-TO-1 SPEED REDUCER.** Fits ¼" drills. Drives up to No. 14 screws. Taps up to 5 holes per min. For drilling where high torque is needed. With ¼" and ½" adapter. ¼" adapter sleeve, screwdriver bit with finder sleeve. 3 lbs.
50 N 005 .... 10.25

N **GENERAL-HARDWARE CIRCLE CUTTERS.** Round shank for drill press; square for hand brace. Removable pilot drill. 8 oz.

Stock No.	Shank	Hole Size	EACH
50 N 245	Round ¼"	⅞"-4"	1.69
50 N 246	Square	1"-6"	2.10
50 N 247	Round 5/16"	1"-6"	2.10
50 N 224	Round ½"	1"-6"	2.10
50 N 225	Round ½"	1¾"-8"	4.64

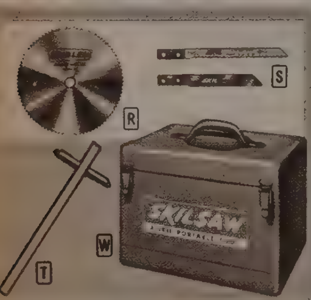
50 N 248. Extra Blades. 4 oz. .... **44¢**

P **HUOT DRILL CASES.** Sturdy, heavy-gauge steel. Index shows drill sizes.

60 DRILL CAPACITY. Holds std. drill sizes 1 to 60. Decimal equivalents and tap data on inside of case. 3¼x4½x1". 1 lb.
51 N 049 .... 1.84

29 DRILL CAPACITY. As above, but takes 29 bits from 1/16" to ½" in steps of 1/64". Size, 4x7x1¾". Wt., 3 lbs.
51 N 050 .... **2.18**

Universal Saw Blades and Saw Accessories



R **CHICAGO SAW UNIVERSAL CIRCULAR BLADES.** Fit diamond, ½", ⅝" rnd. arbors. *Chisel tooth. Wt., 1 lb.

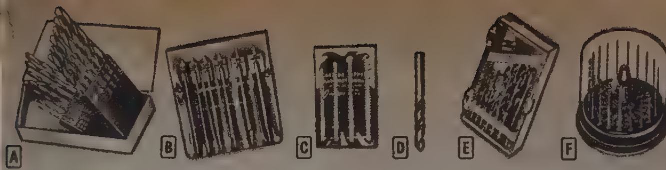
Stock No.	Type	Dia.	Style	EACH
50 N 563	C-612-UN	6½"	Comb.*	1.51
50 N 564	C-714-UN	7-7¼"	Comb.*	1.51
50 N 964	C-814-UN	8-8¼"	Comb.*	1.80
50 N 565	L-612-UN	6½"	Cut-off	1.51
50 N 566	L-714-UN	7-7¼"	Cut-off	1.51
50 N 963	L-814-UN	8-8¼"	Cut-off	1.80
50 N 567	A-612-UN	6½"	Rip	1.51
50 N 568	A-714-UN	7-7¼"	Rip	1.51
50 N 962	A-814-UN	8-8¼"	Rip	1.80

T **SKIL 17984 RIP FENCE.** For Model 536 saw. Wt., 4 oz.
50 N 278 .... 1.37
50 N 969. **25341 Rip Fence.** For 552, (6-9), 553 (3-6), 554 (3-6). 4 oz. 1.75
50 N 970. **25174 Rip Fence/Circle-Cutter.** For Model 524 saw. Wt., 4 oz. 1.30

S **SKIL UNIVERSAL JIG-SAW BLADES.** Replace ¼" shank blades. Blades are available with both coarse and fine teeth. Av. shpg. wt., ½ lb. 5 per package.

Stock No.	Use for	Blade	PKG.
50 N 965	Heavy metal	....	4.24
50 N 966	Light metal	....	4.24
50 N 445	Heavy wood	Coarse	3.72
50 N 446	Wood & plastic	Fine	3.72
50 N 447	Thin wood	Fine	3.72
50 N 448	Roughing cuts	Coarse	2.16
50 N 449	Roughing cuts	Fine	2.16

W **SKIL SAW CARRYING CASE.** Durable heavy-gauge steel case withstands rough handling. Special brackets hold saw—protect it from damage and unnecessary wear. Brackets also protect extra blades from dulling and bending. For Skil 5½", 6½", 7¼", 8¼" saws. 12 lbs.
50 NX 827 .... 11.95



Fast-Cutting Drill Bits for Every Purpose

Century "Magic Black" and Special-Purpose Drill Bits

A **15-DRILL SET.** 1/16" to 1/2" in 32nds. Sizes over 1/4" have 1/4" shanks. Case, 7x4x1 5/8". Wt., 3 lbs.
50 N 530....................18.95

13-DRILL SET. Includes 13 drills, 1/16" to 1/4" in 64ths. In Huot Index Drill Case, 4 3/4x2x3/4". 9 oz.
50 N 529....................5.85

60-DRILL SET. Sizes 1-60 in steel Huot Index Case. Opens like book for quick access. 4 3/8x3 5/8x2 1/8". 1 1/4 lbs.
50 N 527....................23.60

B **6-PC. HIGH-SPEED POWER BIT SET.** 3/8" to 1" in 1/8's. All have 1/4" shanks. Plastic pouch. 12 oz.
50 N 350....................5.35

C **4-PC. MASONRY DRILL SET.** 1/4", 5/16", 3/8", 1/2" drills; 1/4" shanks. Carbide tips for concrete, plaster, etc. 5 oz.
50 N 528....................2.95

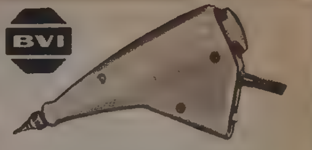
D **MECHANICS' LENGTH.** High-speed drills 1/16" to 1/2". 1/4" and larger have 1/4" shanks. Av. wt. 3 oz.

Stock No.	Size	EACH	Stock No.	Size	EACH
50 N 756	1/16"	.22	50 N 765	3/16"	.44
50 N 758	5/64"	.22	50 N 766	7/32"	.56
50 N 759	3/32"	.23	50 N 767	15/64"	.61
50 N 760	7/64"	.26	50 N 768	1/4"	.65
50 N 761	1/8"	.30	50 N 611	5/16"	1.10
50 N 762	9/64"	.30	50 N 612	3/8"	1.56
50 N 763	5/32"	.35	50 N 613	15/32"	2.70
50 N 764	11/64"	.38	50 N 614	1/2"	2.74

E **10-DRILL SET.** Ten drills ranging from 1/16" to 1/2"; 1/4" shanks on sizes over 1/4". Indexed transparent plastic container. Shpg. wt., 9 oz.
50 N 968....................7.95

Kneisley Miniature Drills

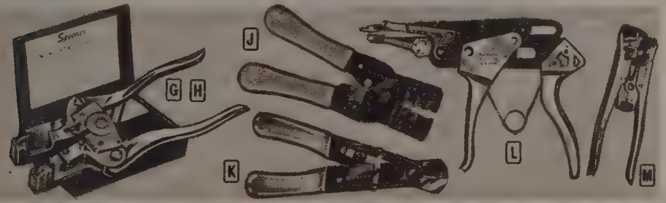
F **KS-1115 DRILL SET.** 20 drills from No. 61 (.039") to No. 80 (.0135"). Highest grade carbon steel. 4-jaw chuck, 1/8" shank. Lucite case. Wt., 6 oz.
50 N 531....................6.29



As Easy to Use as A Pencil . . .
Engraves Steel, Glass, Stone, Ceramic, Brass, Aluminum and Wood.

Burgess Model 73 Vibro-Graver

Compact power tool for engraving glass, stone, metals—almost any material. Handles like a pencil—vibrator-type motor delivers 7200 strokes per minute for fast, clean, permanent engraving. Excellent for use in factories, labs, homecraft and hobby shops. Easy to operate—anyone can use it skillfully with just a few minutes experience. Includes tantalum carbide point. For 110-120 v., 50-60 cycle AC. 1 lb.
50 N 556....................9.69



Heavy-Duty Wire and Cable Strippers

G **G-C 766K WIRE STRIPPER KIT.** Includes: 766 "Speed-O-Matic" stripper; 7 different size blades for stripping any wire #8 to #30; blade guide. Very practical kit for the radio service man, electrician, mechanic. Shpg. wt., 2 1/4 lbs.
50 N 389....................11.73

H **G-C 766 WIRE STRIPPER.** Deluxe. Features fully-automatic delayed-return action to prevent crushing fine wires. Easy-grip handles, hardened steel blades. For #12 to #20 wires. Wt., 1 1/4 lbs.
50 N 387....................5.81

50 N 388. G-C 766A Wire Stripper. As above, but for use with #14 to #30 wires. Shpg. wt., 1 1/4 lbs....................**5.81**

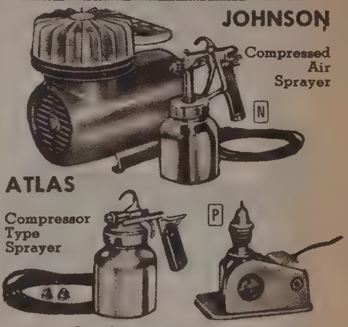
J **K. MILLER 200 CABLE STRIPPER.** Coaxial cable stripper, cutter, and slitter, made for long service. Adjustable blades preset for RG59/U cable. Tool steel blades. Shpg. wt., 8 oz.
50 N 339....................13.47

K **K. MILLER 101-S WIRE STRIPPER.** Strips insulation or cuts wire up to #8, solid or stranded. Spring-lock holds blades closed when not in use. 5" long. Wt., 4 oz.
50 N 392....................1.17

K. MILLER MODEL 100 WIRE STRIPPER. Same as 101-S, but no spring-action to hold blades closed. 4 oz.
50 N 338....................87¢

L **UTICA SW-1 WIRE STRIPPER.** Prevents wire nicking; strips teflon and other solid and stranded wire. Cam-action calibrated dial adjusts to sizes from #12 to #26. Pistol construction is excellent for limited access areas; permits stripping at any point. Comfort-grip handles. 7 oz.
50 N 680....................14.90

M **G-C 802 WIRE STRIPPER.** Automatic stop, return. Has wire cutter. For #10 to #22 wires. 8 oz.
50 N 341....................5.81



Quality Paint Sprayers

N **JOHNSON 1/3 HORSEPOWER PAINT SPRAYER.** High efficiency, portable, compressed-air paint sprayer for use in the home, garden, or small shop. Extremely versatile, it sprays all kinds of paint, including heavy-duty house and porch types, as well as enamels and varnishes. Also sprays insecticides, weed killers, fertilizers, and many other types of liquids.

Piston-type compressor and motor are equipped with heavy-duty, sealed ball bearings. Unit is supplied complete with easy-to-handle, pistol grip spray gun, fan nozzle, 15 feet of air hose, tire chuck, and insulated power cord. For 110-120 volt, 60 cycle AC. Shpg. wt., 30 lbs.
51 NU 129. *$5 Monthly*..........59.65

P **ATLAS PROFESSIONAL PAINT SPRAYER.** Improved compressor-type sprayer featuring a precision-machined piston and a honed, cast-iron cylinder. Highly efficient, internal-mix, pressure-type spray gun disperses wide, uniform fan spray. Unit handles all kinds of paint, including heavy-duty house, porch and barn types.

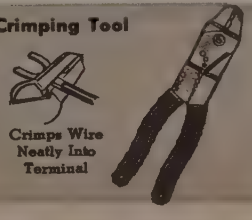
Supplied with 1-quart aluminum container, 2 spray nozzles, 10 feet of air hose, and a universal 1/8 horsepower motor. For 110-120 volt, AC or DC. Wt., 10 lbs.
50 NX 813. *$5 Monthly*..........22.95

50 N 643. Extra 1-Quart Container. For above. Shpg. wt., 3/4 lb....................**1.35**

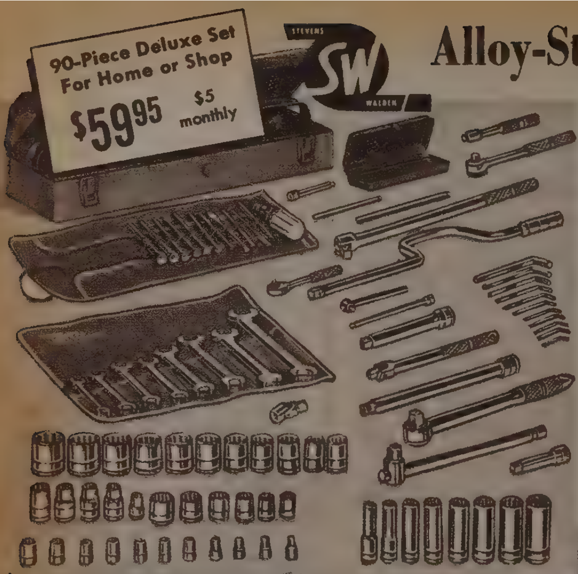
50 NX 837. Carrying Case. 2 1/2 lbs. **3.25**

Combination Wire Cutter, Stripper and Crimping Tool

Makes perfect electrical connections quickly and easily. Vaco No. 1963 tool cuts wire to desired length, strips off insulation, and crimps it neatly into terminal in a matter of seconds. Also includes new bolt slicing feature for clean, burr-less removal of bolts. Shpg. wt., 1 lb.
51 N 048....................4.85

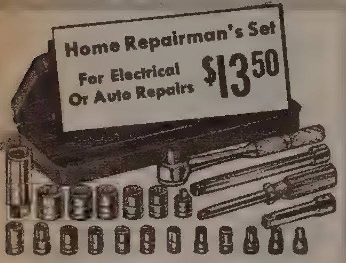

Crimps Wire Neatly Into Terminal

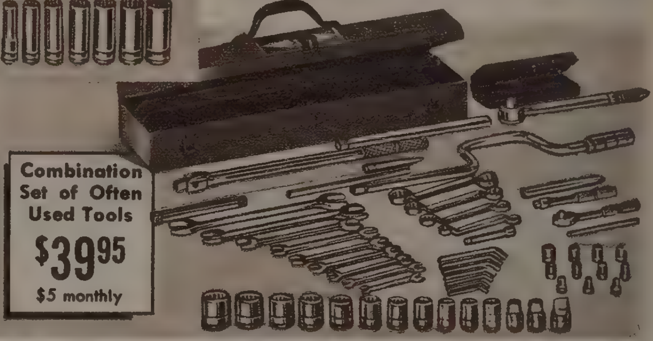
Alloy-Steel Socket Tool Sets



90-Piece ½", ⅜" and ¼" Drive Socket and Wrench Combination Set

Contains: 1—17-pc. **¼" drive set** with 4—6-pt. sockets (3/16", 7/32", ¼", 9/32"), 4—12-pt. sockets (5/16", 11/32", ⅜", 7/16"), 3—8-pt. sockets (¼", 5/16", ⅜"), 1 reversible ratchet, 1 hinge handle, 1 crossbar, 1 sliding tee handle, 1—3" extension, 1—6" extension, metal box; **1—20-pc. ⅜" drive set** with 7—12-pt. sockets (⅜", 7/16", ½", 9/16", ⅝", 11/16", ¾"), 8—12-pt. deep sockets (⅜", 7/16", ½", 9/16", ⅝", 11/16", ¾", 13/16"), 1 hinge handle, 1 crossbar, 1 universal joint, 1—3" extension, 1 ratchet; **1—21-pc. ½" drive set** with 15—12-pt. sockets (7/16", ½", 9/16", ⅝", 21/32", 11/16", ¾", 25/32", 13/16", ⅞", 15/16", 31/32", 1", 1 1/16", 1⅛"), 1—5" extension, 1—10" extension, 1 hinge handle, 1 sliding tee handle, 1 long speeder, 1 reversible ratchet; **1—11-pc. set screw set** (.035", .050", 5/64", 3/32", ⅛", 5/32", 3/16", 7/32", ¼", 5/16", ⅜"); **1—12-pc. Spintite set** with 3 screwdrivers, 7 nut-drivers (3/16", ¼", 5/16", 11/32", ⅜", 7/16", ½"), 1 chuck-type handle, pouch; **1—8-pc. open end set** (sizes ⅜" to ⅞"). Metal case, 6½x20½x4¾". 30 lbs.
50 NU 995-G. *$5 Monthly*................59.95


Home Repairman's Set
For Electrical Or Auto Repairs
$13.50


Combination Set of Often Used Tools
$39.95
$5 monthly

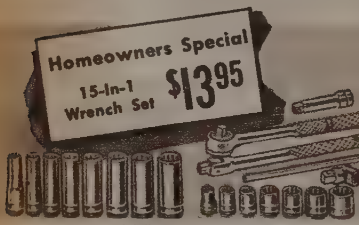
24-Pc. ⅜", ¼" Drive Socket Set

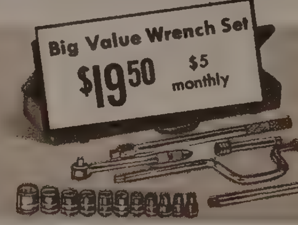
Includes: 7—12-pt. sockets, ⅜" to ¾" in 1/32" steps; 7—¼" drive hex sockets, 3/16" to ⅜" in 1/32" steps; 3—8-pt. ¼" drive sockets (¼", 5/16" and ⅜"); 1—⅜" to ¼" adapter; 1 round head ⅜" ratchet; 1—¼" spinner handle; 1—6" extension, ⅜" drive; 1—3" extension, ⅜" drive; 1—1 3/16" spark plug socket with protective neoprene insert. In metal tool box, 11½x4¾x1¾". Wt., 4½ lbs.
51 NX 245-G...................13.50

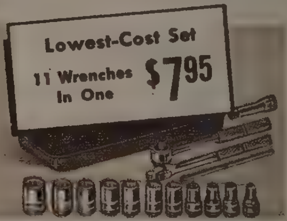
60-Piece ½" and ¼" Drive Socket and Tool Combination Set

Handy tools for home workshop or garage. Includes 19—½" drive pieces: 13—regular 12-pt. sockets, sizes 7/16", ½", 9/16", 19/32", ⅝", 11/16", ¾", 13/16", ⅞", 15/16", 1", 1 1/16", 1⅛"; 1—round-head ratchet; 1—hinge handle; 1—speeder; 1—5" extension; 1—10" extension; 1—draglink screwdriver bit. 15—¼" drive pieces in separate metal box: 8—hex sockets, sizes 3/16" to 7/16" in 1/32" steps; 3—regular 8-pt. sockets, sizes ¼", 5/16", ⅜"; 1—reversible ratchet; 1—hinge handle; 1—cross bar; 1—3" extension. 9—open end wrenches, sizes on each end 5/16"-11/32", ⅜"-7/16", 7/16"-½", ½"-9/16", 9/16"-⅝", 19/32"-11/16", ⅝"-¾", 13/16"-⅞", 15/16"-1". 4—box-end wrenches, sizes on each end ⅜"-7/16", ½"-9/16", ⅝"-11/16", ¾"-25/32". Also 1—center punch; 1—chisel; 7—wrench keys, sizes 5/64", 3/32", ⅛", 5/32", 3/16", 7/32", ¼" in plastic pouch. In metal box, 20½x6½x4¾", with removable tray. 21 lbs.
51 NU 284-G. *$5 Monthly*..39.95

All socket sets described on this page are heat-treated alloy steel, chrome plated. Meet U.S. Government specs. American made.







21-Piece ⅜" Drive Socket Set

Complete set of 15 wrenches for mechanical and electrical work. Consists of: 15 sockets—7 regular 12-pt. sockets, ⅜" to ¾" in 1/32" steps; 8 deep 12-pt. sockets, ⅜" to ¾" in 1/32" steps; 1 hinge handle; 1 crossbar; 1 universal joint; 1—3" extension; 1 round head reversible ratchet; metal box, 11½x4¾x1¾". 4 lbs.
51 NX 243-G..................13.95

17-Piece ½" Drive Socket Set

Versatile socket wrench set, made especially to handle normally inaccessible jobs. Consists of: 11 regular 12 pt. sockets, 7/16" to 1" in 1/16" steps, plus 1¼"; 1—5" extension; 1—10" extension; 1—6" flexible extension for places where rigid extension won't fit; 1 speeder; 1 reversible ratchet; and metal box, 16¼x3½x2". 7¾ lbs.
51 NX 244-G. *$5 Monthly*......19.50

16-Piece ¼" Drive Socket Set

Inexpensive set for electrical and mechanical work around the home. Consists of: 11 sockets—4 regular 12-pt. sockets (5/16", 11/32", ⅜", 7/16"); 4 hex sockets (3/16", 7/32", ¼", 9/32"); 3 regular 8-pt. sockets (¼", 5/16", ⅜"); 1 reversible ratchet; 1 hinge handle; 1 crossbar; 1—3" extension; metal box, 6½x2¾x1¼". 1½ lbs.
51 N 209-G.....................7.95

Buy All the Tools You Need on Allied's Credit Fund Plan

Tapewriters for Home and Business DYMO

SAVE $13.00 on complete outfit

apewriter Alone

$\$34^{95}$ $5 monthly

Model M-29

SAVE $11.00 on complete outfit

Tapewriter Alone

$\$19^{95}$ $5 monthly

Model M-55B

SAVE $2.75 on outfit

Labelmaker Alone

$\$6^{88}$

Model M-4

Deluxe Tapewriter Kit

ave $13.00 off the price of individual items, ought separately. Includes: M-29 Tapewriter, 1 vertical wheel, 1 horizontal wheel, special character wheel, 5 rolls of assorted ape, 5 rolls of assorted gold-striped tape. " long. Makes 3/16" characters on ½" tape. xtra tape below. Texon case, 4½x5x13". lbs.

50 N 996-G. *$5 Monthly*........59.85

50 N 997-G. M-29 Alone. 2½ lbs. **34.95**

50 N 998. Vertical Wheel. 2 oz.....**9.95**

50 N 999. Special Character Wheel. hpg. wt., 2 oz.....................**9.95**

EMBOSSING TAPE. For M-29. ½" adhesive inyl. 12' rolls. Red, Orange, Green, Blue, Brown, Black, Clear. 5 oz.

50 NN 903. *Specify color*........1.65

51 NN 009. Gold-Striped Tape. Red, Green, Blue, Black or Brown—*specify*. hpg. wt., 4 oz.....................**1.95**

Special-Purpose Tapewriter Kit

Save $11.00 off the cost of individual units bought separately. Includes: Chrome-plated aluminum M-55B Tapewriter; 4 rolls assorted color tape; 5 rolls assorted striped tape; 1 vertical, 1 horizontal and 1 special character wheel. Special character wheel has math, electronic and other symbols. Extra tape below. Texon case, 3¼x4½x11¼". 2¼ lbs.

51 N 010-G. *$5 Monthly*........34.45

51 N 016-G. M-55B Alone. 1 lb...**19.95**

51 N 019. Vertical Wheel. 2 oz.....**6.50**

51 N 020. Special Character Wheel. Shpg. wt., 2 oz....................**6.60**

EMBOSSING TAPE. For M-55B. ⅜" adhesive vinyl. 10' rolls. Red, Orange, Green, Blue, Yellow, Brown, Black, Gold. 4oz.

50 NN 884. *Specify color*........1.25

51 NN 017. Gold-striped tape. 10' rolls. Red, Green, Blue, Black or Brown—*specify*. Shpg. wt., 4 oz.....................**1.50**

Lowest-Cost Labelmaker Kit

Economical homeowner's kit for $2.75 savings off the price of the Labelmaker and rolls of tape bought separately. Perfect for labeling all those easily lost or stolen articles around the house. Kit includes: M-4 Labelmaker and 9 rolls of assorted color tapes in Texon case. Just dial letter and squeeze handle; 44-character wheel embosses ⅛" characters on ¼" tape. Squeeze trigger to cut off label with small tab for removing back strip. Beige and white plastic, 6½" long. Extra tape below. Case, 2⅞x9x5¾". Shpg. wt., 1½ lbs.

51 N 466-G..................12.95

51 N 142-G. M-4 Alone. 10 oz.....**6.88**

EMBOSSING TAPE. For M-4. ¼" adhesive vinyl. Jumbo 12' rolls, available in Clear, Red, Orange, Blue, Green, Yellow, Brown, Black, Gray and Gold. Shpg. wt., 2 oz.

51 NN 473. *Specify color*........98¢

Tools and Accessories for Miniature Work

A

B

C

D

Moody Tiny Tools

For the technician, repairman or hobbyist. Indispensable for maintenance of household items, sewing machines and electrical appliances.

Each Set Comes In a Transparent Plastic Case

36-Pieces

$\$12^{95}$

E

"Magna-Sighter" 3-D Magnifier

as low as

$\$6^{95}$

Lightweight binocular magnifiers let you do close work without eyestrain. Excellent for use with tools at right. Magnify up to 3½ times—in 3 dimensions. Have ground and polished prismatic lenses. Adjustable headband for most comfortable fit. Choice of 4 magnifications. Av. shpg. wt., 1 lb.

Stock No.	Distance	Magnifies	EACH
51 N 174	14"	1¾X	6.95
51 N 175	10"	2¼X	6.95
51 N 176	8"	2¾X	6.95
51 N 177	4"	3½X	8.25

A **TS-5 TINY TAP SET.** 5 steel taps with knurled chuck handle and transparent plastic case. Sizes: 0-80, 1-72, 2-56, 3-48, 4-40. Shpg. wt., 5 oz.

50 N 647................**Per Set** 3.20

B **BW-5 MAGNETIC SOCKET WRENCH SET.** 5 tiny steel hex wrenches with magnetized, swivel-top handle (5/64", 3/32", 7/64", ⅛", 5/32"). Lets you insert nuts or screws in hard-to-reach places. Nickel-plated handle has screw-type chuck. Plastic case. Shpg. wt., 5 oz.

51 N 021................**Per Set** 2.59

C **OE-5 OPEN END WRENCH SET.** 5 tiny steel offset wrenches with chuck-type handle (5/64", 3/32", 7/64", ⅛" and 5/32"). In transparent plastic case. 5 oz.

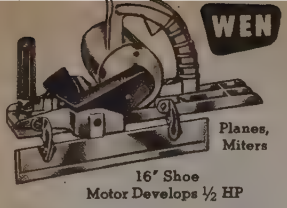
50 N 126................**Per Set** 1.64

D **JS-6 JEWELER'S SCREWDRIVER SET.** 6 screwdrivers with knurled handles and steel blades. Chuck noses are all precisely grooved to key blade size to user's touch. Sizes: .025", .040", .055", .070", .080", .1". Supplied complete with sturdy case, ¾x4½x3¾". Shpg. wt., ½ lb.

50 N 384................**Per Set** 2.89

E **COMPLETE, 36-PC. TINY TOOL SET.** Handy set of 30 tiny, precision tools for servicemen and hobbyists. Consists of: 4 regular screwdrivers (.05", .07", .08", and .1"); 1 awl; 2 Phillips screwdrivers (#0, #1); 3 Allen wrenches (#4, #6, #8); 5 offset open end wrenches (5/64", 3/32", 7/64", ⅛", 5/32"); 5 taps (0-80, 1-72, 2-56, 3-48, 4-40); 5 matching tap drills. With black, simulated leather case. Shpg. wt., 2 lbs.

51 N 022...................12.95

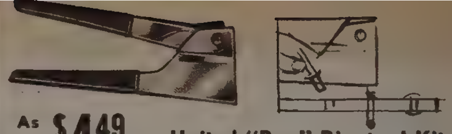


Electric Power Planer

$\$32^{88}$

$5 monthly

MODEL 930. Powerful ½-hp, 6-amp air-cooled motor is burn-out-proof. 14,500 rpm no-load speed. Twin 2″ diameter cutters are separately adjustable, cut 2⅛″ wide and up to 1/16″ deep. Mitre guide plate is adjustable up to 45° and is removable for surface planing. Has air-stream chip-ejector, balanced lightweight aluminum housing, finger-control trigger switch. Overall size, 7½x7x16″. U.L. Listed. For 110-120 volts, AC. Shpg. wt., 9 lbs.
51 NX 091. *$5 Monthly*..........................32.88



As Low As $\$4^{49}$

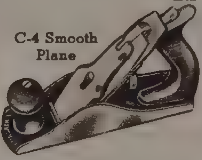
United "Pop" Rivetool Kit

HANDY RIVETER FOR HOME OR WORKSHOP

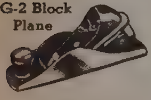
Use in place of ordinary fasteners such as screws, bolts, adhesives. Helpful for "blind" fastening jobs where you can't reach back side of work. Insert "POP" rivet into Rivetool, insert other end of rivet into materials to be joined—then sqeeze handle. When riveting soft materials, use back-up washers (below). With box of assorted rivets and washers. 1½ lbs.

51 N 474-G. Rivetool Kit. 1-2 Ea., **4.95**....3-up Ea. **4.49**
51 N 475-G. ⅛″ "POP" Rivets. Pkg. of 25. 3 oz......**49¢**
51 N 476-G. ¼″ "POP" Rivets. Pkg. of 20. 3 oz.......**49¢**
51 N 477-G. ½″ "POP" Rivets. Pkg. of 15. 3 oz......**49¢**
51 N 478-G. Back-Up Washers. Pkg. of 40. 3 oz......**49¢**

Great Neck Tools

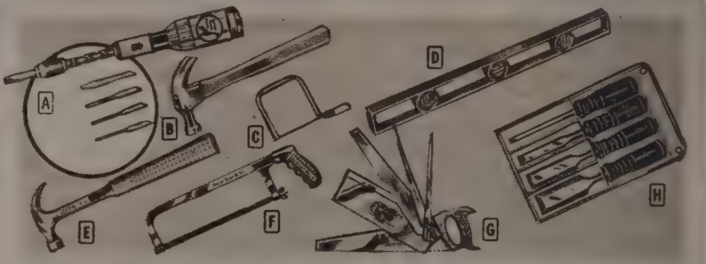


C-4 Smooth Plane



G-2 Block Plane

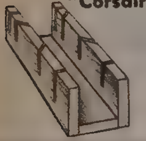
Planes Have Tool Steel Cutters, Milled and Polished Surfaces, Hardwood Knobs



C-4 "CORSAIR" SMOOTH PLANE. Consistent-cutting, vibration-free 9″ plane. Razor-sharp, tempered alloy tool steel 2″ cutter. Improved lightweight, die-cast lever cap. Frog adjustable to width of mouth. Kiln-dried hardwood knob and handle. Brass adjusting screw. 3½ lbs.
51 N 662..........................4.25

G-2 GREAT NECK BLOCK PLANE. Popular 7″ block plane for every-day work not requiring frequent adjustment. 1⅝″ tool steel cutter. Cut thickness adjustment. Hardwood knob. 1½ lbs.
51 N 663..........................2.79

"Corsair" Miter Box



CN16B. Long-lasting, 16″ long hardwood miter box, with two 45° miter cuts and 90° square cut. 3½ lbs.
51 NX 664.....**98¢**

A **AUTOMATIC SCREWDRIVER.** Spiral ratchet screwdriver reduces work fatigue, speeds up screw-driving. Spring-loaded chuck holds blades firmly. Drives or removes screws. Plated. Comfortable handle. Includes 5 bits in handle (3/16″, ¼″ screwdriver bits; 1/16″, 3/32″, ⅛″ drill bits). ½ lb.
51 N 665..........................2.95

B **"PERFECT-FORGED" HAMMER.** Handcrafted 16 oz. forged head. Weatherproofed, hardwood handle. 1½ lbs.
51 N 666..........................2.49

C **COPING SAW.** Maintains correct blade tension. 6½″ throat depth. Uses 6″ or 6½″ blades. Blue and transparent plastic handle. 12 oz.
51 N 667..........................1.19

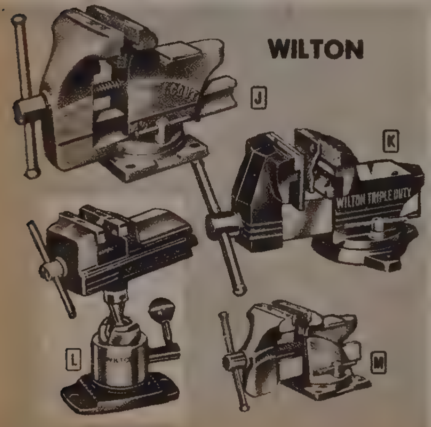
D **4-VIAL 24″ ALUMINUM LEVEL.** Shock-absorbing vial mounting. 1 lb.
51 NX 671..........................2.98

E **1-PIECE ALL STEEL HAMMER.** Nothing to come apart. Hardened hammer has non-slip, shock-absorbing rubber grip bonded to steel shaft. Perfectly balanced. 16 oz. head. 1¾ lbs.
50 N 299..........................3.53

F **PISTOL GRIP HACKSAW.** 2¾″ deep. Adjusts to 8″ to 12″ blades. Cuts at four different angles. Plastic handle. With 10″ blade. 1½ lbs.
51 N 668..........................89¢

G **5-PC. NEST OF SAWS.** Carved hardwood handle and interchangeable alloy steel saws: 16″ panel, 12″ compass, 10″ keyhole, 15″ pruning, 12″ miter backsaw. 2 lbs.
51 NX 669..........................2.39

H **4-PC. COLD CHISEL SET.** ⅜″, ½″, ⅝″ and ¾″ cutting-edge chisels in a plastic kit. 12 oz.
51 N 670..........................5.49



Bench Vises—for Wood, Metal, Pipe

- **Positive-Locking Swivel Bases**
- **Precision Machined Screws**
- **Rugged Malleable Iron Castings**
- **Large Jaws, Heavy Serrations**
- **Years of Dependable Service**
- **A Vise for Every Application**

J **MODEL C55.** Low-cost vise opens 4¼″. Features removable steel insert jaws; built-in pipe jaws; locking swivel base. Anvil with forming horn. Jaw width, 4½″; depth, 3″. Wt., 19 lbs.
50 NX 489................7.30

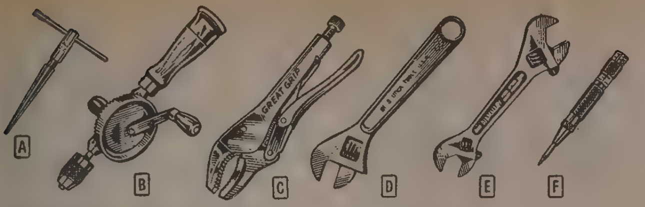
K **MODEL 665.** One vise that works three ways—woodworking, metalworking and as a pipe vise. Removable fiberboard jaw-faces clamp wood without marring. 5″ wide steel jaws provide powerful grip for metal. Pipe jaws hold pipes of ⅛″ to 2½″ dia. Jaws are 3¼″ deep. Max. opening, 5¼″. Swivel base. 35 lbs.
50 NU 835................18.89

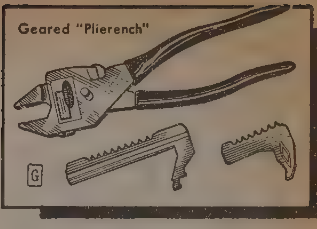
L **MODEL 364 VISE AND POSITIONER.** Excellent for small electronic assemblies or parts. Single-handed release of cadmium-plated steel PowRarm positioner permits rotating or tilting work to any angle. Maximum work weight, 15 lbs. at 6″. Smooth steel jaws—2¼″ wide; open to 2¼″. Shpg. wt., 5 lbs.
50 N 149................13.93

M **MODEL C53½.** General-purpose vise. Removable steel insert jaws, built-in pipe jaws and anvil with forming horn. Locking swivel base. Max. jaw opening, 3″; width, 3½″; depth, 2″. 12 lbs.
50 N 487................**5.30**

Depend on Allied for Quality Tools

High-Quality Hand Tools





A **HENRY HANSON 120 HAND-REAMER.** ⅛" tip, 5½" long. 9 oz.
50 N 390 .... 1.19

B **MILLERS FALLS 1425 HAND DRILL.** Double pinion gears. 3-jaw chuck takes drills to ¼". Nickel-plated frame, chuck. Hollow handle stores drills. 2 lbs.
50 N 174 .... 3.99

C **GREAT NECK LOCK PLIERS.** Clamps, bends and cuts. Hot-forged, polished. 2000-lb. grip. 10". 1½ lbs.
51 N 672 .... 2.19

D **UTICA ADJUSTABLE WRENCHES.**

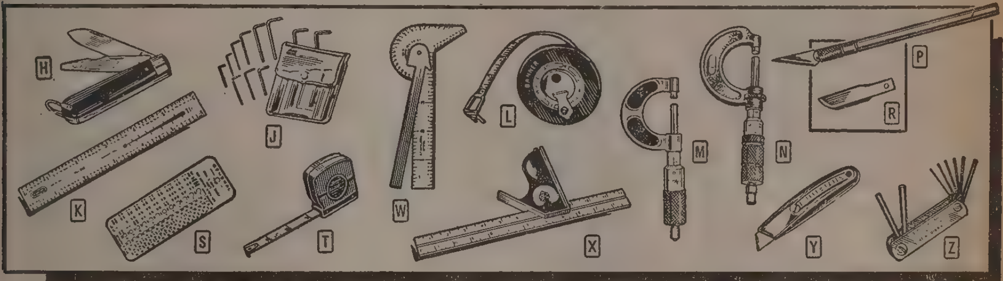
Stock No.	Size	Jaw Open	Shpg. Wt.	EACH
50 N 461	4"	½"	2 oz.	1.99
50 N 462	6"	¾"	4½ oz.	2.06
50 N 463	8"	15/16"	8 oz.	2.32
50 N 464	10"	1⅛"	1 lb.	2.93
50 N 465	12"	1 5/16"	1½ lbs.	4.29

E **DIAMOND ADJUSTABLE WRENCH.** 6" double-end—½" and ¾". 6 oz.
50 N 263 .... 2.74

F **G-H 79 CENTER PUNCH.** 5"x½."
50 N 382. Shpg. wt., 5 oz. 3.10
50 N 383. Extra Point .... 44¢

G **GEARED PLIERENCH KIT**

Does the work of pliers, pipe, box, open end and socket wrenches. Parallel jaws and 10-1 gear ratio provide firm grip on all sides and edges. Comes with 2 interchangeable jaws: regular pipe jaw for ¼"-1" pipes or bolts and nuts up to 1¼"; internal-external fitting jaw for gripping inside of tubes, pipes and fittings. 2 lbs.
51 N 191 .... 6.98



H **ULSTER K-29W ELECTRICIANS' KNIFE.** Screwdriver-wirescraper, Tempered tool steel blades—2½". 5 oz.
50 N 298 .... 1.49

J **WALSCO HEX SPLINE KEYS.** 7 Allen and 4 Bristol key-type. L-shaped wrenches fit screws ranging in size from No. 2 to ⅜". In leatherette case. Wt. ½ lb.
50 N 335 .... 1.32

K **MULTI-PURPOSE RULE.** 4" scale in 32nds and 64ths, plus millimeters; protractor; square; center finder; drill-point gauge; tap-drill table. Stainless steel. With case. Wt., 4 oz.
50 N 329 .... 1.34

L **LUFKIN WHITE-CLAD TAPE.** Accurate 50-ft. steel tape. Black figures and graduations on white. Hook ring, folding flush handle. Vinyl-covered steel case. 1 lb.
50 N 184 .... 3.67
50 N 185. As above, 100-ft. 2 lbs. 5.00

M **CENTRAL 1" PRECISION MICROMETER.** High-quality yet moderately priced precision micrometer. Easy to read, has positive lock. Extremely accurate, meets gov't spec GGG-C-105. Forged steel frame. Polished spindle and anvil. Wt. 8 oz.
50 N 060 .... 11.95

N **HANSON ECONOMY 1" MICROMETER.** Has .0005" accuracy. Screw-type anvil permits simplified zero adjustment. Spring-friction stop. Frame, thimble and ratchet are fully chromed to inhibit rust. Factory-adjusted. 7 oz.
50 N 393 .... 3.75

P **X-ACTO NO. 1 KNIFE.** For light to medium work. 5" aluminum handle; 5/16" dia. With No. 11 blade. Wt., 3 oz.
50 N 608 .... 53¢

R **NO. 10 BLADES.** 5 per pkg. 2 oz.
50 N 609 .... Per Pkg. of 5 53¢
NO. 11 BLADES. 5 per pkg. 2 oz.
50 N 610 .... Per Pkg. of 5 53¢

S **6" RULE AND WIRE GAUGE.** Clearly graduated in 32nds and 64ths. Has B&S wire gauge, and decimal equivalents. Shpg. wt., 2 oz.
50 N 320 .... 44¢

12" STAINLESS STEEL BENCH RULE. (Not illus.) Has two sides graduated in 8ths, 16ths, 32nds, and 64ths. ⅞" wide. Shpg. wt., 2 oz.
50 N 323 .... 75¢

T **LUFKIN "MEZURMATIC" TAPE RULES.** Ball-bearing rewind, heavy-duty end hooks, non-slip cases. 1/16" graduations. White background, except *chrome-plated.

Stock No.	Type	Feet	Oz.	EACH
50 N 179	W728	8	7	1.13
50 N 180	W7210	10	8	1.33
50 N 181	W7212	12	8	1.53
50 N 182	C728*	8	7	1.60
50 N 183	C7210*	10	8	1.80

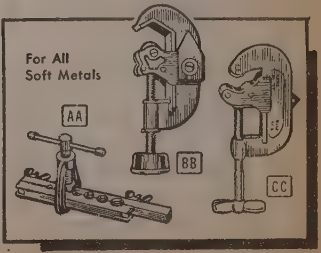
W **DRILL AND STEEL-WIRE GAUGE.** Gauges and gives decimal equivalents—drill no. and wire sizes 1 to 60. Lists tap and drills, ¼-28 to 2-56. 5 oz.
50 N 319 .... 1.34

X **CORSAIR COMBINATION SQUARE.** Try/miter square, depth gage, plumb, level. Locks at any point. Plated. 12"x1". 8 oz.
51 N 673 .... 79¢

Y **MILLERS FALLS UTILITY KNIFE.** 5" long. 5 blades. Wt., ½ lb.
51 N 655 .... 75¢
50 N 171. 5 Extra Blades. 2 oz. .... 37¢

Z **FLEET HEX-KEY WRENCH SET.** Nickel-chrome steel wrenches fold into steel frame. Sizes .050" to 3/16". 4 oz.
50 N 128 .... 88¢

PROFESSIONAL FLARING TOOL, PIPE AND TUBE CUTTERS



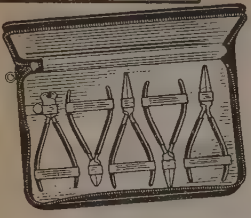
AA **FLARING TOOL.** Flares soft copper, brass, or aluminum tubing to make up SAE 45° flare joints without cracking or splitting. Flares 3/16", ¼", 5/16", ⅜", ½" and ⅝" O.D. tubing. Shockproof, tempered malleable iron self-centering yoke. Hardened and polished cone swivels on ball bearing. Shpg. wt., 3 lbs.
51 N 139 .... 2.65

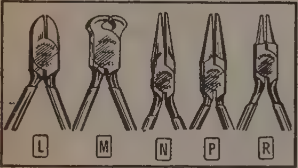
BB **TUBING CUTTER.** Cuts ⅛" to 1⅛" O.D. hard or soft copper, brass, aluminum tubing and thinwall conduit. Meets Federal Specs. GGG-771B, Type 2, Class 2. Tubing rides freely on hardened rollers, cuts without distortion or burrs. Flare cut-off rollers permit cutting cracked flare without waste. Retractable hardened reamer blade. Shpg. wt., ½ lb.
51 N 140 .... 1.89

CC **COMBINATION TUBING AND PIPE CUTTER.** Cuts ⅝" to 2⅛" copper, brass, aluminum tubing and thinwall conduit and ⅜" to 1" iron and steel pipe. Alloy steel frame and cutter wheel. Retractable reamer. Hardened rollers and pins. Frame is Bright-plated. Shpg. wt., 2 lbs.
51 N 141 .... 3.75

Kraeuter

Pliers and Cutters for Electronics



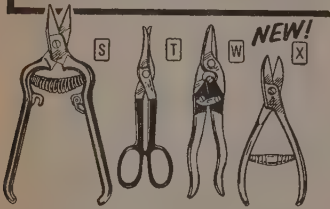


TYPE CG90 JEWELERS' PLIER SET

Convenient, matched set of five professional 4½" precision pliers (also sold individually—see table, below). Contained in a smart zipper-fastened, black leatherette carrying case. Pliers have comfortable, crack and peel-proof vinyl cushion grips. Smooth polished head and handle, drop forged from fine grain tool steel. Type CG81 is designed for close cutting of small, soft wires. CG82 is for end cutting, as in printed circuit assemblies. Types CG83, 84, and 85 have smooth jaws. Shpg. wt., 1¼ lbs. (Av. shpg. wt. of each tool is 5 oz.)

50 N 457. 5-Plier Set. 1-5.....Ea. 14.70
6-Up.......................Each 13.32

Stock No.	Fig.	Mfr's Type	Descrip.	Asstd. Ea. 1-5	6-Up
50 N 454	L	CG81	Diag. Cut	2.64	2.40
50 N 333	M	CG82	End Cut	3.12	2.82
50 N 450	N	CG83	Chn. Nose	2.49	2.26
50 N 452	P	CG84	Flt. Nose	2.49	2.26
50 N 453	R	CG85	Rnd. Nose	2.49	2.26



ELECTRONIC AND AVIATION SNIPS

S E-4 SHORT-BLADED ELECTRONIC SNIPS. For cutting fine wires and filaments, removing insulating coverings. Cuts ¾" straight. Overall length, 6½". Wt., 10 oz.
50 N 714. 1-5.. Ea. 3.49 6-Up.. Ea. 3.16

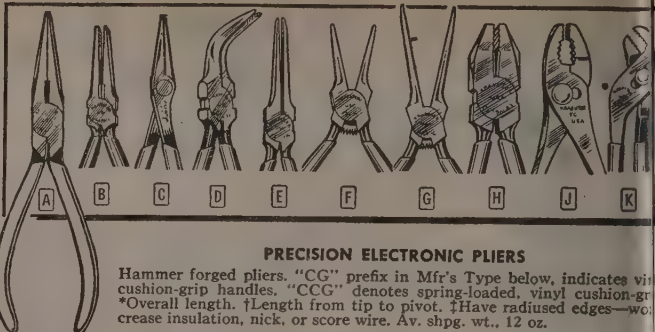
X E-5 SHORT-BLADED ELECTRONIC SNIPS. As above, but 5" long. 8 oz.
51 N 458. 1-5...Ea. 3.12 6-Up.. Ea. 2.83

T K-13 COMBINATION PATTERN SNIPS. Cuts up to 26-gauge metal. 2" curved or straight cut. Overall length, 7". 7 oz.
50 N 455. 1-5...Ea. 1.84 6-Up...Ea. 1.66

W CGS3 COMPOUND-LEVERAGE AVIATION SNIPS. Cuts 18-gauge metal. Serrated, drop forged blades. No-split, vinyl cushion grips. Straight 1½" out. Overall length, 10". Shpg. wt., 1 lb.
50 N 334. 1-5...Ea. 3.23 6-Up...Ea. 2.93

CGL1 AVIATION SNIPS. As above, but for left cut. 1 lb.
50 N 665. 1-5...Ea. 3.23 6-Up...Ea. 2.93

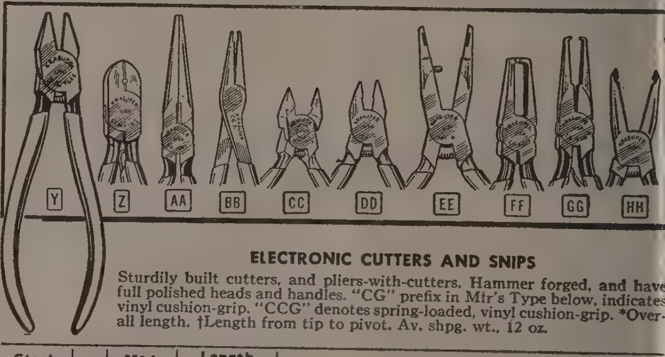
CGR2 AVIATION SNIPS. As above, but for right cut. 1 lb.
50 N 666. 1-5...Ea. 3.23 6-Up...Ea. 2.93



PRECISION ELECTRONIC PLIERS

Hammer forged pliers. "CG" prefix in Mfr's Type below, indicates vi cushion-grip handles. "CCG" denotes spring-loaded, vinyl cushion-gr *Overall length. †Length from tip to pivot. ‡Have radiused edges—wo crease insulation, nick, or score wire. Av. shpg. wt., 12 oz.

Stock No.	Fig.	Mfr's Type	Length Ov.*	Length T-P†	Description	Asstd. E 1-5	6-
50 N 653	A	CG1771	7"	3¹⁄₁₆"	Long-Chain Needle-Nose Pliers	2.65	2.
50 N 441	A	CG1671	6"	2⅛"	Long-Chain Needle-Nose Pliers	2.20	2.
51 N 451	A	‡CCG146	6"	2¾"	Needle-Nose Pliers	3.27	2.
51 N 453	A	‡CCG102	4½"	1⅝"	Needle-Nose Pliers with Smooth Jaws	2.50	2.
50 N 443	B	CG1741	6"	2⁵⁄₁₆"	Long Flat-Nose Pliers	2.49	2.
50 N 654	C	CG61	8"	1¹³⁄₁₆"	Long-Reach Short-Jaw Nose Pliers	3.07	2.7
50 N 650	D	CG1631	5½"	2⁹⁄₁₆"	Curved-Needle or Snipe-Nose Pliers	3.07	2.7
50 N 651	E	CG1621	6"	2⁹⁄₁₆"	Long-Needle or Snipe-Nose Pliers	2.68	2.4
50 N 655	E	CCG140	6"	2⁹⁄₁₆"	Long-Nose Electronic Pliers—¹⁄₃₂" Tip	3.31	3.
50 N 656	E	CCG160	7"	3¹⁄₁₆"	Extra-Fine Long-Nose Electronic Pliers	2.79	2.
50 N 701	F	CCG121	5"	1¹¹⁄₁₆"	Precision Slim-Nose—Std. Serrated Tips	2.58	2.3
51 N 450	F	‡CCG122	5"	2⅛"	Slim-Nose Pliers	2.72	2.4
51 N 452	F	‡CCG100	4½"	1¾"	Extra-Fine Needle-Nose Pliers	2.94	2.6
50 N 704	G	‡CCG145	6"	3⅛"	Pinned Extra-Slim Long-Nose Pliers	3.57	3.2
50 N 703	G	CCG144	6"	2⁹⁄₁₆"	Pinned Slim Long-Nose—Std. Serrated Tips	3.42	3.1
50 N 332	H	CG1801	6"	1⁹⁄₁₆"	Lineman's Side-Cutting Pliers	3.38	3.0
50 N 442	H	CG1801	8½"	2"	Lineman's Side-Cutting Pliers	4.05	3.6
50 N 437	H	CG1830	6½"	1⁹⁄₁₆"	Electrician's Side-Cutting Pliers	2.58	2.3
51 N 580	J	056	6"	1¹¹⁄₁₆"	"Hi-Brite" Combination Pliers	.71	.6
51 N 581	J	056	8"	1¹³⁄₁₆"	"Hi-Brite" Combination Pliers	1.70	1.6
50 N 664	J	156	10"	1¼"	"Duo-Brite" Combination Pliers	1.58	1.4
50 N 660	K	CG643	5"	¹¹⁄₁₆"	Blue Temper Finish Ignition Pliers	1.47	1.3

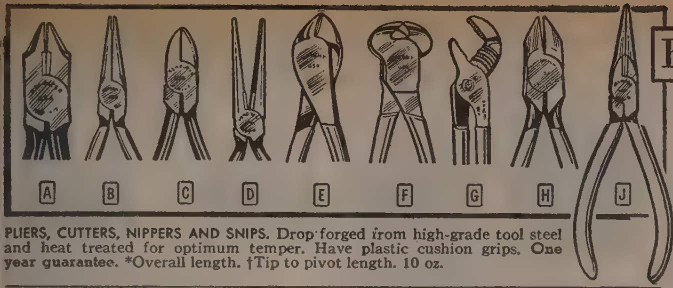


ELECTRONIC CUTTERS AND SNIPS

Sturdily built cutters, and pliers-with-cutters. Hammer forged, and have full polished heads and handles. "CG" prefix in Mfr's Type below, indicates vinyl cushion-grip. "CCG" denotes spring-loaded, vinyl cushion-grip. *Overall length. †Length from tip to pivot. Av. shpg. wt., 12 oz.

Stock No.	Fig.	Mfr's Type	Length Ov.*	Length T-P†	Description	Asstd. Ea. 1-5	6-Up
51 N 454	Y	CCG104	4½"	1¾"	Diagonal Cutters	3.31	3.00
50 N 110	Y	CCG4625	5"	1¹⁄₃₂"	Needle-Point Diag. Cutters with Spring	3.65	3.32
50 N 433	Z	CG4501	4½"	1⁵⁄₁₆"	Narrow Head Diag. "Oblique" Cutters	2.38	2.16
50 N 439	Z	CG4501	5"	1¹⁄₃₂"	Narrow Head Diag. "Oblique" Cutters	2.58	2.33
50 N 440	Z	CG4501	6"	1³⁄₁₆"	Narrow Head Diag. "Oblique" Cutters	2.94	2.66
50 N 444	Z	CG2612	6½"	1"	Wire-Stripping Diag. Cutters with Spring	3.65	3.32
50 N 659	Z	CG4502	7"	1½"	Diagonal Cutting Pliers	3.38	3.06
50 N 657	Z	CG4206	6"	1⅛"	Hard-Wire Diagonal Cutting Pliers	3.67	3.33
50 N 688	Z	CG3601	6"	⅞"	Short-Nose Diagonal Cutting Pliers	3.31	3.00
50 N 438	AA	CG1661	6"	2⅛"	Long-Chain Needle-Nose Pliers w/cutter	2.94	2.66
50 N 330	AA	CG1641	5"	1¹¹⁄₁₆"	Short-Chain Needle-Nose Pliers w/cutter	2.65	2.40
50 N 331	AA	CG1781	7"	3¹⁄₁₆"	Long-Chain Needle-Nose Pliers w/cutter	3.53	3.20
50 N 111	BB	CG71	8"	1¹³⁄₁₆"	Long-Reach Short-Jaw Nose Cutting Pliers	3.65	3.32
51 N 456	CC	CCG101	4½"	1⅜"	Soft Wire Needle-Point Diag. Cutters	3.68	3.33
51 N 457	DD	CCG120	5"	1½"	Soft Wire Needle-Point Diag. Cutters	4.04	3.66
50 N 699	EE	CCG141	6"	2¹⁄₁₆"	Pinned Electronic Nose-Cutting Pliers	4.41	4.00
50 N 113	FF	CG5627	5½"	1⁷⁄₁₆"	Resistor Terminal End-Cutting Pliers	3.63	3.30
50 N 112	GG	CG1650	6"	1²⁷⁄₃₂"	Long-Jaw End-Cutting Pliers w/spring	3.67	3.33
51 N 455	HH	CCG105	4½"	1⅝"	Diagonal Cutters with Beveled Edge	3.09	2.80

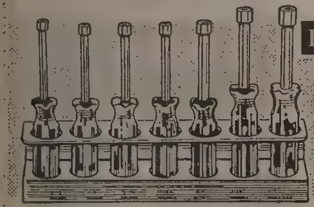
Kraeuter Tools May Be Assorted For Quantity Prices



KNIGHT

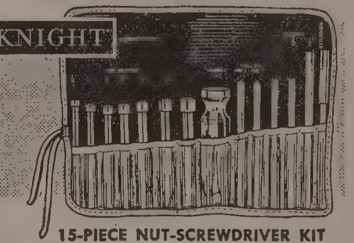
PLIERS, CUTTERS, NIPPERS AND SNIPS. Drop forged from high-grade tool steel and heat treated for optimum temper. Have plastic cushion grips. One year guarantee. *Overall length. †Tip to pivot length. 10 oz.

Stock No.	Fig.	Length		Description	Asstd Ea.	
		Ov.*	T-P†		1-5	6-Up
50 N 131	A	6½"	9⁄16"	Side Cutting Pliers	2.03	1.81
50 N 132	B	6"	2 3⁄16"	Chain-Nose with Cutters	2.26	2.02
50 N 210	B	6"	2 3⁄16"	Chain-Nose Pliers	1.85	1.65
50 N 133	C	5"	1 1⁄16"	Diagonal Cutting Pliers	1.98	1.77
50 N 134	C	6"	1 3⁄16"	Diagonal Cutting Pliers	2.29	2.04
50 N 135	D	7"	3 1⁄16"	Chain-Nose with Cutters	2.72	2.42
50 N 669	E	7"	1¼"	Diagonal Cutting Pliers	2.29	2.05
50 N 712	F	6"	¾"	End Cutting Nippers (1" wide jaw)	2.59	2.32
50 N 675	F	7"	¾"	End Cutting Nippers (1" wide jaw)	2.74	2.44
50 N 677	G	10"	2"	Tongue, Groove Joint Pliers (5 Adjustments)	2.18	1.94
50 N 706	G	6½"	1 7⁄16"	Slip-Joint Pliers (5 Adjustments)	1.82	1.62
50 N 678	G	14"	3"	Tongue, Groove Joint Pliers (5 Adjustments)	2.58	2.30
50 N 687	H	5"	1"	Needle-Point Diagonal Cutter	2.82	2.52
50 N 682	J	6"	2"	Cutting/Stripping Pliers	2.98	2.66



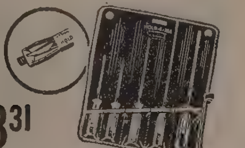
8-PIECE NUTDRIVER KIT

High-quality hex nutdriver kit consists of: 7 nutdrivers—3⁄16", ¼", 5⁄16", 11⁄32", ⅜", 7⁄16", and ½" in self-supporting rack. Feature molded, color-coded "Amberyl" plastic handles. Nickel-chrome plated drivers. Shafts are 6¾", except 6⅞" on 7⁄16" and ½" drivers. Drop forged from selected tool steel and heat treated for maximum hardness and durability. Accurately machined for smooth action. Shpg. wt., 1¾ lbs.
50 N 787........................**5.75**



15-PIECE NUT-SCREWDRIVER KIT

8x11" vinyl storage pouch has individual holders marked for shaft size—rolls up to 3x8". Kit includes: molded "Amberyl" plastic handle; 6" extension; 7 nutdrivers—3⁄16", ¼", 5⁄16", 11⁄32", ⅜", 7⁄16", ½"; No. 1 and No. 2 Phillips, and ⅛", 3⁄16", ¼" slotted screwdrivers. Screwdrivers have precision-ground blades for accurate fit. Nutdrivers have hollow, chrome-vanadium steel shafts. Shpg. wt., 1½ lbs.
50 N 788........................**7.95**



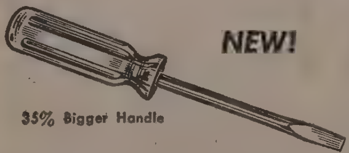
$3.31

"HOLD-E-ZEE" SCREWDRIVER KIT

MODEL RT-52. 5 screwdrivers with chrome vanadium shafts and special clamp that holds screw securely in bit. Ideal for hard-to-reach spots, and hard-to-hold small screws. "Lok-Blok" anchors blade in handle. Screwdrivers are also sold individually in table, below. Kit includes: TR-4, 5⁄32x4"; PR-4, 5⁄32x4" crosspoint; TR-6, 5⁄32x6"; TR-8, 5⁄32x8"; and TS-7, 7⁄32x7". Roll-up plastic pouch. 1½ lbs. (Each tool, 5 oz.)
51 N 286. 5-Piece Kit....................**3.31**

Stock No.	Mfr's Type	Description (Overall Lgth.)	EACH
51 N 564	TR-4	7¼" Slotted	64¢
51 N 565	PR-4	7¼" Recessed	79¢
51 N 566	TR-6	9⅝" Slotted	69¢
51 N 567	TR-8	11⅝" Slotted	75¢
51 N 582	TS-7	11" Slotted	78¢

NEW!

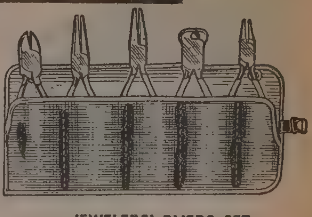


VACO BULL DRIVERS

Rugged screwdrivers, featuring a 35% bigger handle for greater torque, and a more comfortable hand grip. All blades are made of #6150 chrome vanadium steel, and are triple chrome-plated to ensure exceptional durability. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Description	Asstd Ea.	
			1-5	6-Up
51 N 568	BD122	#2 Phillips	1.16	1.04
51 N 569	BD133	#3 Phillips	1.55	1.39
51 N 570	BD144	¼x4" Round	1.16	1.04
51 N 571	BD146	¼x6" Round	1.23	1.11
51 N 572	BD156	5⁄16x6" Round	1.55	1.39
51 N 573	BD158	5⁄16x8" Round	1.65	1.48
51 N 574	BD284	¼x4" Square	1.39	1.25
51 N 575	BD286	¼x6" Square	1.47	1.32
51 N 576	BD306	5⁄16x6" Square	1.89	1.70
51 N 577	BD308	5⁄16x8" Square	1.97	1.77
51 N 578	BD310	5⁄16x10" Square	2.10	1.89

KNIGHT



JEWELERS' PLIERS SET

$12.39

- 1-Year Guarantee
- Drop-Forged Steel
- Plastic Cushion Grips

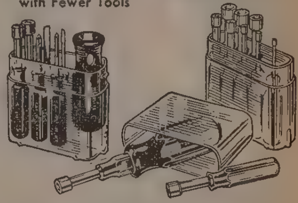
Handy vinyl roll pack contains five 4½" pliers: diagonal cutting; chain-nose; end-cutting; flat-nose; and round-nose, round-jaw. (Also sold individually in table, below.) All have plastic cushion grips. Chain, flat and round-nose have smooth jaws with no cutters. Chain and round-nose taper to 5⁄32" point; flat nose to 1⁄32". 1¼ lbs.
50 N 713. 5-Plier Set..........**12.39**

INDIVIDUAL PLIERS (Wt. 5 oz.)

Stock No.	Description	Asstd. Ea.	
		1-5	6-Up
50 N 228	4½" Diagonal Cutting	2.19	1.98
50 N 229	4½" Chain-Nose	2.08	1.86
50 N 233	4½" End-Cutting	2.56	2.29
50 N 230	4½" Flat-Nose	2.08	1.86
50 N 691	4½" Round-Nose	1.98	1.79

XCELITE

Get More Jobs Done
with Fewer Tools



NUT AND SCREWDRIVER SETS

PS88 SET **$3.67** **PS120 SET** **$4.95**

Compact nutdriver and screwdriver sets save storage space and cost. Feature an extra, standard-size slip-on handle to develop much greater torque. For those situations requiring full driving power, just slip the extra standard-handle over the nut or screwdriver handle. Slim see-through plastic case easily fits in pocket.

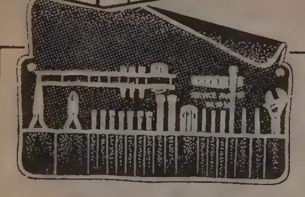
[K] **PS88 SCREWDRIVER SET.** Consists of 5 slot-tip screwdrivers: P3321, 3⁄32"; P181, ⅛"; P5321, 5⁄32"; P3161, 3⁄16"; P141, ¼"; 3 Phillips drivers—PO, #0, P1, #1, P2, #2; 1x3⅛" hollow standard handle, TA2; PS88C case. Pocket-size drivers are only 3½" long. Shpg. wt., 11 oz.
51 N 579..................**3.67**

[L] **PS120 NUTDRIVER SET.** Consists of color-coded nutdrivers: PS3, 3⁄32"; PS4, ⅛"; PS5, 5⁄32"; PS6, 3⁄16"; PS7, 7⁄32"; PS8, ¼"; PS9, 9⁄32"; PS10, 5⁄16"; PS11, 11⁄32"; PS12, ⅜"; TA2, standard hollow handle; PS120C case. Drivers are only 3½" long. 11 oz.

51 N 194..................**4.95**

XCELITE

Rugged Screwdrivers and Nutdrivers



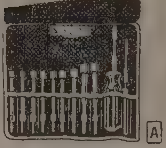
Master Tool Kit

$22.89
$5 monthly

- 23-Piece Set
- Handy Roll-Up Kit
- Hundreds of Uses

MODEL 99SM. Complete, versatile set with hundreds of applications for hobbyists, experimenters and servicemen. Includes: long nose pliers; 5" diagonal pliers; 6" adjustable wrench; 9 regular nutdrivers in sizes from 3/16" through ½"; ¼" stubby nutdriver; 5/16" stubby nutdriver; 3/8" stubby nutdriver; 3/16" slotted screwdriver; 9/32" slotted screwdriver; No. 1 Phillips screwdriver; 1/8" to 3/8" reamer; ¼" to ½" reamer; 8" extension; regular and stubby handles. Comes in durable, vinyl plastic roll-up pouch with separate pocket for each tool. Shpg. wt., 2¾ lbs.
50 N 162. *$5 Monthly*......22.89

PROFESSIONAL-QUALITY HEX NUTDRIVER SETS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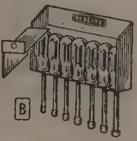
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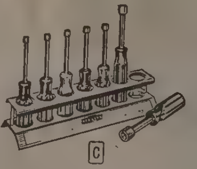
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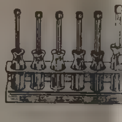


A SCREWDRIVER/NUTDRIVER SET

MODEL 99PR. Multi-purpose serviceman's set consisting of 13 pieces in a durable, vinyl plastic roll-up pouch. Includes: 9 nutdrivers from 3/16" to ½" in 1/32" steps; 2 reversible screwdrivers (3/16" and 9/32" standard, Nos. 1 and 2 Phillips); plastic handle. Chrome-plated shafts and blades. 2 lbs.
50 N 259..........................8.65

50 N 272. Model 99X10 8" Extension Blade. For Model 99SM (at left) and 99PR (above). Chrome-plated. Wt., 5 oz.............87¢

B SOLID-SHAFT NUTDRIVERS

MODEL 127. Sockets deep enough for two nuts. Depth of shaft hole, 1¼". Includes: 7 nutdrivers from 3/16" to 3/8" in 1/32" steps; Zinc-chromate finished blades. Metal rack. 7½x7¼x1¼". Wt., 2¼ lbs.
50 N 258..........................6.45

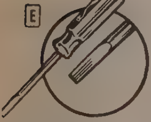
C HOLLOW-SHAFT NUTDRIVERS

MODEL 147. Handy set for home handy as well as professional serviceman. Inclu a total of 7 color-coded nutdrivers in most commonly used sizes. All have chromate, hollow shafts, Handle colors hex sizes; red, ¼"; orange, 9/32"; amber, 5/ green, 11/32"; blue, 3/8"; brown, 7/16"; red, Supplied with self-supporting metal be stand. Shpg. wt., 2 lbs.
50 N 644..........................7.

D NUTDRIVER SET

MODEL 137. 7 color-coded nutdrivers in s supporting, metal bench stand. All h zinc chromate shafts; ½" and 9/16" driv have hollow shafts. Handle colors and sizes: black, 3/16"; red, ¼"; amber, green, 11/32"; blue, 3/8"; red, ½"; oran 9/16". Shpg. wt., 2 lbs.
50 N 257..........................6.

SCREWDRIVERS FEATURING CHROME VANADIUM STEEL SHAFTS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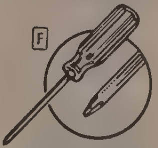
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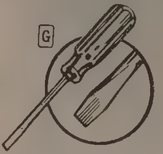
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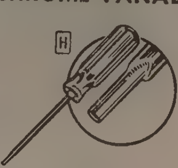
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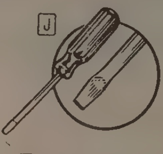
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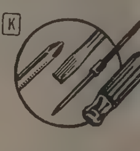
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E SET-SCREW TYPE SCREWDRIVERS. Fit Std. set-screw. Pocket clips. 2 oz.

Stock No.	Mfr's Type	Shaft Size		Over-all Lgth.	EA.
		Dia.	Lgth.		
50 N 129	R-3323SS	3/32"	3"	5"	27¢
50 N 136	R-184SS	1/8"	4"	6"	39¢

F PHILLIPS SCREWDRIVERS. *Stubby type (for working in close quarters). †With pocket clip. Av. wt., 6 oz.

50 N 223	P-12S†	No.0	2"	4"	.39
50 N 154	X-101	No.1	3"	6⅜"	.69
50 N 155	X-108	No.1	6"	10"	.75
50 N 156	X-102	No.2	4"	7¾"	.87
50 N 157	X-1020	No.2	10"	13¾"	1.17
50 N 158	X-103	No.3	6"	10"	1.17
50 N 159	SX-101	No.1	*1 7/16"	2¾"	.63
50 N 160	SX-102	No.2	*1 5/16"	3¼"	.69

G ROUND-SHAFT SCREWDRIVERS. Winged blade won't turn in handle. 5 oz.

Stock No.	Mfr's Type	Shaft Size		Overall Length	EA.
		Dia.	Lgth.		
50 N 142	R-182	1/8"	2"	4½"	33¢
50 N 147	R-184	1/8"	4"	6½"	39¢
50 N 148	R-186	1/8"	6"	8½"	42¢
50 N 150	R-188	1/8"	8"	10½"	54¢
50 N 279	R-144	¼"	4"	8"	78¢
50 N 280	R-146	¼"	6"	10"	84¢
50 N 281	R-148	¼"	8"	12"	90¢

H CLUTCH-HEAD SCREWDRIVERS. Fit clutch-head screws used in electronic equipment. Av. shpg. wt., 3 oz.

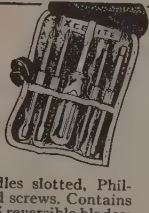
50 N 144	G-183	1/8"	4"	6½"	72¢
50 N 145	G-5324	5/32"	4"	7½"	81¢
50 N 146	G-3164	9/16"	4"	7½"	81¢

J SQUARE-SHAFT SCREWDRIVERS. Av. shp wt., 10 oz.

Stock No.	Mfr's Type	Shaft Size		Overall Length	EA
		Dia.	Lgth.		
50 N 127	S-3164	3/16"	4"	7⅝"	.6
50 N 137	S-144	¼"	4"	8"	.8
50 N 138	S-146	¼"	6"	10"	.9
50 N 139	S-148	¼"	8"	12"	1.0
50 N 140	S-388	3/8"	8"	12⅛"	1.3

K COMBINATION-BLADE SCREWDRIVER Reversible standard and Phillips head With handle. 7" long. 5 oz.

Stock No.	Mfr's Type	Blade Combination	EACH
50 N 260	CR1	3/16" Std., #1 Phillips	1.38
50 N 261	CR2	¼" Std., #2 Phillips	1.38
50 N 262	CR3	5/16" Std., #3 Phillips	1.38

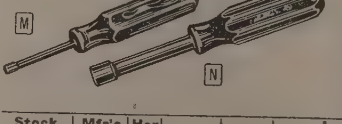


NEW!

10-BLADE COMBINATION SCREWDRIVER KIT

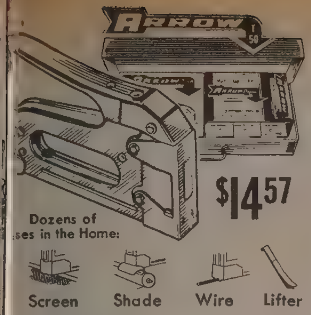
MODEL CK-5. Handles slotted, Phillips and clutch-head screws. Contains regular handle and 5 reversible blades: 3 regular (3/16" std., #1 Phillips; ¼" std., #2 Phillips; 5/16" std., #3 Phillips); 2 clutch-type (3/16" and 5/32"; 5/16" and ¼"). In durable plastic roll-up pack. Shpg. wt., 1 lb.
51 N 247..........................5.12

COLOR-CODED HEX NUTDRIVERS FOR FAST WORK



M N Color-coded plastic handles permit quick hex size identification. Ideal for chassis work. Sizes range from 3/32" to 5/8". Fig. M represents P-series midget nutdrivers with pocket clip; Fig. N: HS-series regular nutdrivers featuring hollow shaft for tightening nuts on long screws. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Hex Size	Color	Lgth.	EACH	Stock No.	Mfr's Type	Hex Size	Color	Lgth.	EACH
50 N 220	P-3	3/32"	Blue	3½"	.48	50 N 646	HS-9	9/32"	Orange	7"	.93
50 N 221	P-4	1/8"	Red	3½"	.48	50 N 265	HS-10	5/16"	Amber	7"	.93
50 N 222	P-5	5/32"	Amber	3½"	.48	50 N 266	HS-11	11/32"	Green	7"	.93
50 N 141	P-8	¼"	Red	3½"	.48	50 N 267	HS-12	3/8"	Blue	7"	.93
50 N 648	HS-6	3/16"	Black	6⅛"	.93	50 N 268	HS-14	7/16"	Brown	7¼"	1.05
50 N 649	HS-7	7/32"	Brown	6⅛"	.93	50 N 269	HS-16	½"	Red	7¼"	1.08
50 N 264	HS-8	¼"	Red	7"	.93	50 N 271	HS-20	5/8"	Amber	7¼"	1.26

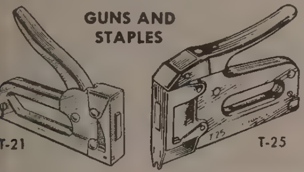


MODEL T-50MP STAPLER KIT

Heavy-duty stapling tool for dozens of asks around your home. One of the most versatile staplers you can own—mends screens and window shades; fasens ceiling tile, wire or party decoraions. Kit includes: T-50 stapling gun; screen attachment; window shade atachment; staple lifter; 2000—¼″ staples; 1000—⅜″ staples; 1000—½″ staples; 1000—Ceil-tile staples. T-50 stapling gun takes ¼″ to 9⁄16″ staples; has double leverage action for powerful drive with minimum pressure. Jamproof mechanism lets you avoid annoyng delays or damage. Gun is made of sturdy, long-lasting chrome-finished steel. Shpg. wt., 2 lbs.
50 N 466..........................**14.57**

51 N 653 T-50 Stapling Gun Alone. Accepts 85—.050″ staples. ¼″ to 9⁄16″. Shpg. wt., 2 lbs..................**10.41**

GUNS AND STAPLES

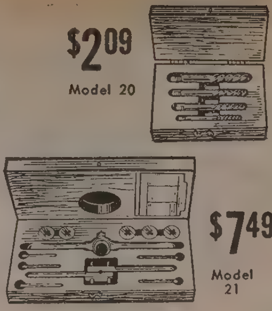


JT-21 JR. ECONOMY STAPLER. Low-priced stapling gun, made to order for all those light fastening jobs around your home or office. Features safety lock handle, conveniently built in staple extractor and visual refill aid. Loads 100—.025″ staples. 3x6⅛x ¾″. Less staples, below. Wt., 1 lb.
50 N 249..........................**3.97**

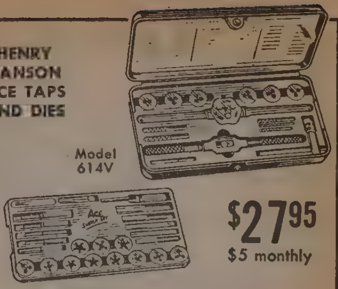
T-25 WIRE STAPLER. For low-voltage wires up to ¼″ diameter. Ideal for bell, thermostat, telephone, and intercom wire. Chrome-finished steel. Tapered head gets into tight corners easily. Grooved blade positions wire for proper envelopment by staple. Round crown fits wire snugly. Loads 85 staples of .050″ wire. 5½x7¾″. Less staples, below. Shpg. wt., 2¼ lbs.
50 N 467..........................**12.49**

STAPLES FOR ARROW GUNS. Av., 1 lb. Type T-50CT for ceiling tile.

Stock No.	For Model	Size	Lgth.	Quantity	EA.
50 N 251	JT-21	13⁄32″	¼″	1000	.49
50 N 252	JT-21	13⁄32″	5⁄16″	1000	.49
50 N 273	T-50	⅜″	5⁄16″	5000	2.20
50 N 276	T-50	⅜″	⅜″	5000	2.29
51 N 654	T-50CT	⅜″	9⁄16″	5000	3.20
50 N 275	T-25	¼″	9⁄16″	5000	3.74



HENRY HANSON ACE TAPS AND DIES



SCREW EXTRACTOR SET

MODEL 20. 4 extractors for removing broken screws (5⁄32″ to ⅝″), bolts, studs and pipe ⅛″ to ¼″). Size of drill to be used is conveniently marked on extractor. Removes broken piece on its own threads without damaging threaded hole. Made of heat-treated alloy steel—practically unbreakable. In hardwood box. 1 lb.
50 N 395..........................**2.09**

MACHINE SCREW TAP AND DIE SET

MODEL 21. Contains 1 each plug tap and die: 6-32, 8-32, 10-24, 12-24, ¼-20; plus 1 offset tap and reamer wrench. Solid dies, 1″ diameter. All parts are made of high-carbon tempered steel. In mahogany box. Shpg. wt., 3 lbs.
50 N 318..........................**7.49**

39-PIECE TAP AND DIE SET

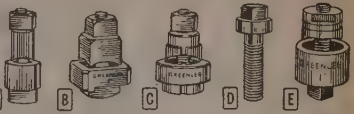
MODEL 614V. Deluxe set including: 1 each tap and die: 4-36, 6-32, 8-32, 10-24, 10-32 and 12-24 (Machine Screw Standard); ¼-20, 5⁄16-18, ⅜-16, 7⁄16-14 and ½-13 NC (U.S. Standard); ¼-28, 5⁄16-24, ⅜-24, 7⁄16-20 and ½-20 NF (S.A.E. Standard); ⅛″ pipe; die stock; tap and reamer wrench; "T" tap wrench; screwdriver and screw pitch gauge. Shpg. wt., 4 lbs.
50 N 391. *$5 Monthly*...........**27.95**

INDIVIDUAL TAPS AND DIES. Tough carbon steel. Right-hand thread. 2 oz.

Size	Tap	EACH	Die	EACH
4-36	51 N 214	.34	51 N 225	.52
6-32	50 N 525	.34	51 N 226	.52
8-32	50 N 526	.34	51 N 227	.52
10-32	51 N 219	.38	51 N 228	.52
10-24	51 N 223	.38	51 N 229	.52
¼-20	51 N 224	.41	51 N 242	.52

51 N 246. Tap Wrench. "T" handle unit for above taps. 2 oz..........................53¢

CHASSIS PUNCHES AND ACCESSORY SCREWS
By *GREENLEE*



A **TYPE 733 "D" PUNCHES.** For easy cutting of "D" shape openings for miniature tube sockets and other components in chassis and panels. Make clean cuts in up to 16-gauge metal. Can be operated with ordinary wrench. Require ⅜″ starting hole. Shpg. wt., 2 lbs.
50 N 973. For ½″ hole..............**4.16**
50 N 974. For ⅝″ hole..............**4.41**

B **TYPE 731 SQUARE PUNCHES.** For cutting square openings in chassis, cabinets and panels. Can make oblong or larger rectangular openings by overlapping cuts. Rapidly cut through up to 16-gauge metal. Operate with ordinary wrench. Require ½″ starting hole. Wt., 2 lbs.
50 N 397. For ½″ hole..............**4.85**
50 N 398. For ⅝″ hole..............**4.99**
50 N 399. For ¾″ hole..............**5.73**
50 N 408. For 1″ hole..............**6.96**

C **TYPE 732 "KEY" PUNCHES.** Quickly cut holes for keyed radio sockets or other components. Ordinary wrench supplies the drive power. Can be used to cut through up to 16-gauge metal. Require ½″ starting hole (except 50 N 386 ¼″ starting hole). Shpg. wt., 1½ lbs.
50 N 386. For 15⁄32″ hole..............**4.51**
50 N 379. For 15⁄16″ hole..............**4.61**
50 N 380. For 1 11⁄64″ hole..............**5.14**
50 N 381. For 1 17⁄64″ hole..............**5.78**

D **BALL-BEARING DRIVE SCREWS.** Minimize "muscle power" needed to operate Type 730 chassis punches, below. Reduce friction between drive screw and punch. Shpg. wt., 1 lb.
50 N 604. AV322-BB. 11⁄16″ to ⅞″........**91¢**
50 N 605. AV112-BB. For 1″ to 1½″....**99¢**
50 N 169. AV304-BB. For 2″ punch....**2.41**

REPLACEMENT CAP SCREWS. For Type 730 punches, below. Shpg. wt., 4 oz.

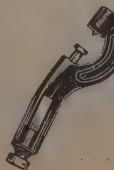
Stock No.	Size	For Punch Size	EACH
50 N 376	¼″	½″ and ⅝″	29¢
50 N 378	⅜″	11⁄16 to ⅞″	29¢
50 N 336	⅜″	1″ to 1¼″	34¢

E **TYPE 730 ROUND PUNCHES.** Cut holes in chassis, cabinets and panels for sockets, plugs, controls, meters and panel lights. Swiftly cut through up to 16-gauge metal, bakelite and hard rubber. Use ordinary wrench to operate. Wt., 1½ lbs.

Stock No.	Hole Size	Lead Size	EACH
50 N 337	½″	¼″	2.30
50 N 349	⅝″	¼″	2.30
50 N 306	11⁄16″	⅜″	2.30
50 N 340	¾″	⅜″	2.30
50 N 342	⅞″	⅜″	2.30
50 N 343	1″	⅜″	2.55
50 N 344	1⅛″	⅜″	2.65
50 N 347	1¼″	⅜″	2.65
50 N 327	2″	¾″	6.57

HP MODEL 500 NUT-CRACKING TOOL

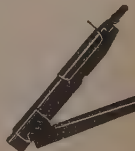
Invaluable for removing rust-encrusted nuts without damaging bolts. Easy to use: just set chisel at right angle to flat of nut, grip firmly and swing ratchet on forcing screw. Cracks nuts from 5⁄16″ to 13⁄16″. Up to 25,000 lbs. pressure. 1¼ lbs.
50 N 583..........................**5.95**



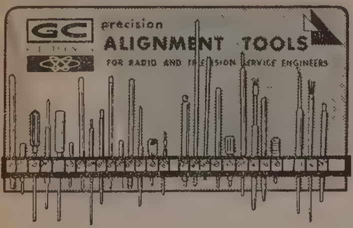
ADEL METAL "NIBBLING" TOOL

"Nibbles" holes, slots or openings in 18-gauge steel, aluminum or other soft metals up to 1⁄16″ thick. Requires 7⁄16″ starting hole. Wt., 8 oz.
50 N 153..........................**3.85**

50 N 130. Replacement Punch. For above. Easy to install. 2 oz..................**1.87**



Quality Radio-TV Alignment Tools and Kits


GC
precision
ALIGNMENT TOOLS
FOR RADIO AND TELEVISION SERVICE ENGINEERS

TV Slug Retriever

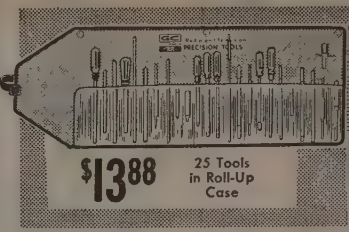
$16.95

27 Most Needed Tools

TYPE 9200 RADIO-TV 27-PC. ALIGNMENT TOOL PANEL KIT

Convenient wall mounting panel kit includes 27 of the most needed radio-TV alignment tools. Tools are mounted in a sturdy, 3-color steel panel; each tool has an individually marked slot in the panel—desired tool can be located in seconds. Panel can be conveniently mounted on workshop wall. Tools are precision-made of the finest materials including low-loss plastics and extra hard bone fiber; tips are hardened spring steel. Kit includes: various length alignment screwdrivers; special short tools; alignment wrenches; channel tuners; core aligners; oscillator adjustment tools; trimmer and IF aligners; solder probe; nylon replacement tip for long reach aligner; hex tools; and many other useful alignment tools. Size of steel holding panel is 9¾" high and 18¾" wide. Shpg. wt., 3 lbs.

50 NX 831 .... 16.95



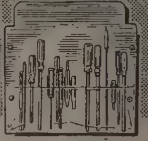
$13.88

25 Tools in Roll-Up Case

TYPE 8283 MASTER DELUXE ALIGNMENT TOOL KIT

Complete 25-piece tool kit includes an assortment of alignment and adjustment tools for practically every radio and TV set on the market. Also includes tools used on mobile communication, marine and amateur gear. Comes in handy roll-up case; each tool has a slot of its own. In addition to tools in case, several 9" long tools are furnished separately. Kit includes; K-Tran tool; core aligner; long-reach aligner; flexible wand; short tool; and many other helpful alignment tools. Shpg. wt., 1 lb.

50 N 001 .... 13.88



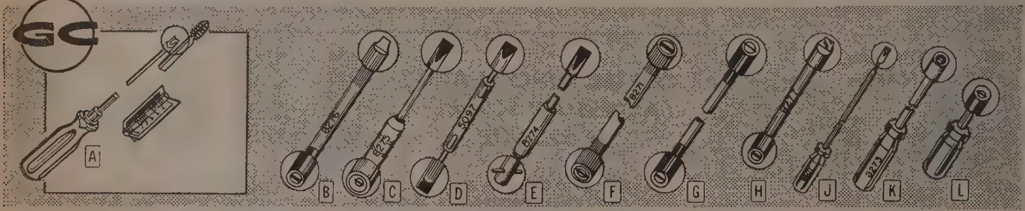
TYPE 8280 DELUXE TV ALIGNMENT TOOL KIT

$8.45

Includes 16 Tools in Leatherette Roll-Up Case

Includes 16 specially engineered TV alignment tools in a handy roll case made of durable leatherette. Case has foldover flap to prevent tools from becoming lost. Includes: "Shorty" duplex aligner; tuning wand; core aligner; oscillator tool; long-reach aligner; and many other useful alignment tools. Shpg. wt.. 8 oz.

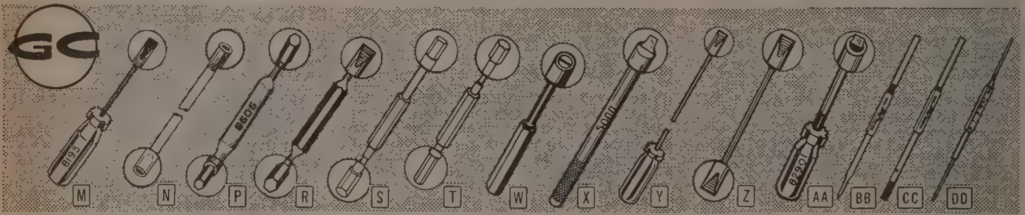
50 N 002 .... 8.45



QUALITY SERVICING TOOLS FOR FASTER REPAIRS

Stock No.	Type	Fig.	Description	Oz.	NET
51 N 293	9096	A	12" Slug Retriever	4	2.53
51 N 299	9097	A	15" Slug Retriever	5	2.94
51 N 310	9399	A	19" Slug Retriever	6	4.09
50 N 011	8276	B	Short duplex aligner	3	.50
50 N 014	8275	C	Zenith universal aligner	3	.50
50 N 015	5097	D	K-tran and IF aligner	3	.76
51 N 292	8274	E	9" nested core aligner	3	.81

Stock No.	Type	Fig.	Description	Oz.	NET
51 N 496	8271	F	Stackpole stud-type core aligner	3	.56
50 N 019	8722	G	7" duplex #4 and #6 stud aligner	3	.65
51 N 497	8277	H	2⅝" duplex aligner	3	.51
51 N 498	8607	J	12" nylon tip aligner	4	1.47
51 N 493	8608-E	.....	Replacement nylon tip for above	3	.24
51 N 494	8273	K	All-purpose TV aligner	3	.90
51 N 495	9298	L	2" blade alignment tool	5	.47



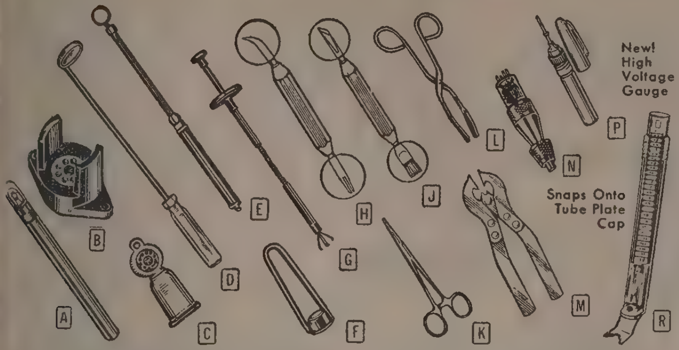
DO THE JOB RIGHT WITH THE RIGHT TOOL FOR THE JOB

Stock No.	Type	Fig.	Description	Oz.	EA.
50 N 020	8195	M	Channel tuning tool	3	.71
50 N 585	8278	N	Extra-thin TV tuning wand	3	.52
50 N.010	8606	P	Zenith-Admiral nylon hex wrench	3	.47
50 N 013	8282	R	Zenith wrench and aligner	3	.36
50 N 012	9091	S	.125" hex nylon wrench	3	.47
50 N 008	9296	T	11" nylon hex (.075") wrench	4	.62
50 N 009	9050-L	W	Zenith nylon hex wrench	3	.52
50 N 021	5000	X	Alignment screwdriver	3	.41
51 N 499	8988	Y	12" blade plastic screwdriver	3	.91

Stock No.	Type	Fig.	Description	Oz.	NET
51 N 492	8989	Y	16" blade plastic screwdriver	3	1.20
50 N 016	8728-A	Z	7" long Delrin screwdriver	3	.42
50 N 017	8728	Z	Same as 8728-A, left, but 12" long	3	.52
50 N 018	8729	Z	Same as 8728-A, left, but 16" long	3	.68
51 N 661	8290	AA	Universal screwdriver aligner	3	.62
50 N 571	8868	BB	Tel-A-Turn screwdriver	3	.96
51 N 659	8867	CC	Tel-A-Turn IF aligner	3	.96
51 N 660	8869	DD	Tel-A-Turn Hex aligner	3	.96

Selected Servicing Tools, Aids and Slide Rules

HIGH-QUALITY ALL-PURPOSE SERVICING TOOLS



A **G-C 705 TROUBLE-LIGHT.** Illuminates dark corners. With bulb, 5½-ft. cord. For 115 v., AC-DC. ½ lb.
50 N 004 .... 1.75

B **G-C 5191 PIN STRAIGHTENER.** For 7-pin min. tubes. Steel die. 6 oz.
51 N 365 .... 73¢
51 N 366. Type 8105. Same as 5191, but for 9-pin min. tubes .... 73¢
51 N 367. Type 8655. As above, but dual service for 7 and 9-pin min. tubes. Shpg. wt., 7 oz. 1.47

C **G-C 9130 TUBE GADGET.** 3 tools in one. Straightens 7 or 9-pin min. tube pins; pulls tubes. 3 oz.
50 N 003 .... 90¢

D **G-C 5090 INSPECTION MIRROR.** 7⅞" long. Mirror is 1" dia. 5 oz.
50 N 006 .... 41¢

E **G-C 8725 ILLUMINATED INSPECTION MIRROR.** Anod. aluminum; 6" lucite rod, 1" hinged mirror. With bulb, less penlight cells. 12¼". 6 oz.
50 N 007 .... 1.97
55 J 870. Burgess "Z" Cell. 1½-volt cell for above. Uses two. 3 oz. .... Pkg. of 2 for 20¢

F **KNOB-PULLER.** For push-on knobs. Shpg. wt., 4 oz.
51 N 370 .... 32¢

G **G-C 5089 PICK-UP TOOL.** Press button to open claws—release to close. Flexible 14" shaft. Wt., 4 oz.
50 N 741 .... 96¢

H **G-C 9093 SOLDERING PROBE.** For printed-circuit work. 8". 3 oz.
50 N 586 .... 98¢

J **G-C 9094 P.C. BOARD BRUSH AND SCRAPER.** Stainless steel brush, hardened steel scraper. 8" overall length. Shpg. wt., 3 oz.
50 N 587 .... 96¢

K **XCELITE 42H "SEIZER."** Straight-nose "third hand." 3 oz.
50 N 255 .... 4.27
50 N 256. Type 43H. As above, but with curved nose 4.42

L **G-C TYPE 5092 TUBE PULLER.** Scissors-type. Rubber tips. 12 oz.
50 N 325 .... 96¢

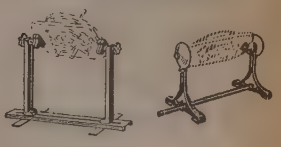
M **G-C 8872 C-RING TOOL.** Removes, inserts "C" washers, retainers. Shpg. wt., 2 oz.
50 N 253 .... 1.84

N **G-C 5093 TUBE PULLER.** For 7-pin miniature tubes. 2 oz.
51 N 368 .... 1.27
51 N 369. G-C 8106 Tube Puller. Same as 5093, for 9-pin. min. tubes 1.27

P **G-C 8885 PRES-TO-OILER.** Press plunger to release one drop. Also for radio-TV chemicals. Comes filled with oil. Shpg. wt., 3 oz.
50 N 322 .... 81¢

R **G-C 8840 HI-VOLTAGE GAUGE.** Excellent for measuring high voltage pulses in TV sets. Snaps directly onto plate cap of any listed tube—draws no current for its operation. Voltage measurement is safe and easy—simply push plunger into unit until neon light just glows—unsnap unit and read voltage on calibrated scale. Length, 6", extends to 9½". Shpg. wt., 1 lb.
51 N 289 .... 2.25

CHASSIS HOLDERS

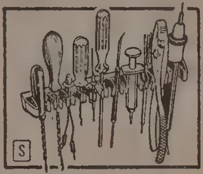


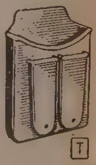
G-C Chassis Cradle

JFD "Repairack"

G-C CHASSIS CRADLE. An extremely important servicing aid for use in any radio and TV repair shop. Sturdy, adjustable cradle holds radio or TV chassis securely; permits it to be rotated up to 360° for easy accessibility into any part of chassis. Size, 24" long; 14" high; and 12½" wide. Shpg. wt., 7 lbs.
52 NX 710 .... 7.35

JFD "REPAIRACK." An unusually sturdy cast-iron chassis rack. Has rugged chassis clamps that securely hold any radio or TV chassis up to 200 pounds in weight and 32" in length. Rotates chassis 360° for ready accessibility to all parts of chassis. Overall size, 14¾x32x15". Shpg. wt., 18 lbs.
52 NX 711. *$5 Monthly* 29.40





S **G-C 9525 TOOL CADDY.** Ends tool clutter in shop, lab, garage, etc. Holds 12 tools of all sizes and shapes—hammers to tweezers. Simple to mount and use. Tools are held by spring-locked brackets. Just snap in and out—tools are always held firmly in place. 10⅞" long. ¾ lb.
50 N 254 .... 1.57

T **G-C 8943 TOOL HOLSTER.** Perfect for servicemen, electricians, etc. Attaches to belt by two metal loops. Two narrow compartments and one full-sized compartment securely hold most-needed tools. Made of tough, flexible polyethylene plastic that holds its shape. 6 oz.
50 N 432 .... 2.97

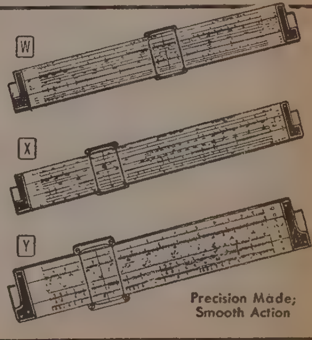
DIETZGEN QUALITY SLIDE RULES

W **MODEL 1734L DECIMAL TRIG-TYPE LOG LOG.** Precision 10" slide rule for the student as well as the professional. Has virtually friction-free gliding action over smooth Teflon grooves. Never too tight—never too loose. Also features sharp, non-yellowing, engine-divided scales. All scales relate to each other logically—there are no "special" scales requiring special manipulations.

Scales include: LL02, LL03, DF, CF, CIF, L, CI, C, D, LL3, LL2; on other side, LL01, K, A, B, T>5, T<45, ST, S, D, DI, and LL1. S, ST and T scales are divided to read degrees and decimals of degrees. With leather carrying case and instructions. Shpg. wt., 1¼ lbs.
51 NC 283. *$5 Monthly* 23.95

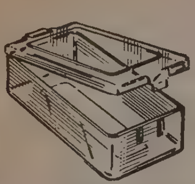
X **MODEL N1725L VECTOR-TYPE LOG LOG.** Includes all scales found on Model 1734L rule at left, plus Hyperbolic Sine and Tangent scales (Sh1, Sh2, Th). Has pure white facings on seasoned mahogany. In genuine sewed-leather carrying case. Complete with instruction manual and exclusive data slip containing conversion tables and trigonometry-geometry formulae. Shpg. wt., 1¼ lbs.
51 NC 279. *$5 Monthly* 25.95

Y **MODEL 1776 5" POCKET SLIDE RULE.** Scales include: DF, CF, CIF, CI, D, C, L, K, A, B, T, ST, S, DI. With leather case, pocket clip and instructions. Shpg. wt., 5 oz.
51 NC 280 .... 5.75



GC ELECTRONICS

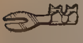
GC Electronics Hardware



TRANSPARENT PLASTIC STORAGE BOX

With each 35c package of GC Electronics hardware and hardware assortments on this page, you receive a handy storage box. Convenient "see through" container, just 3¼x1¼x⅞" in size, is of high-impact plastic. Has hinged cover.

TINNED SOLDERING LUGS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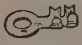
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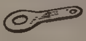
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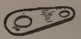
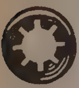

D

Tinned lugs for screw sizes listed in table. Fig. A or B types may be crimped and used as solderless lugs. No. 8 holes also take No. 6 screws. Av. wt.: 35c pkg., 3 oz.; pkg. of 100, 5 oz.

Hole Size	Lgth.	Fig.	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
No. 6	21/32"	A	25	51 N 691	35¢	100	51 N 624	1.03
No. 8	⅝"	A	25	51 N 692		100	51 N 699	1.18
No. 6	11/16"	C	30	51 N 693		100	51 N 628	.91
No. 6	9/16"	D	30	51 N 694		100	51 N 629	.90
No. 8	9/16"	D	30	51 N 695	35¢	100	51 N 700	.85
No. 6	11/16"	B	25	51 N 696		100	51 N 630	1.16
No. 8	11/16"	B	25	51 N 697		100	51 N 701	1.11
No. 10	11/16"	B	25	51 N 698		100	51 N 702	1.11

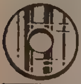
INTERNAL LOCK WASHERS



Star-type internal lock washers. All are cadmium-plated. Also see table at bottom of page for washer assortments. Av. wts.: 35c pkg., 2 oz.; pkg. of 100, 3 oz.

Screw Size	O. D.	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
No. 2	.....	35	51 N 703	35¢	100	51 N 704	71¢
No. 4	.....	50	50 N 163		100	50 N 073	44¢
No. 6	9/32"	50	50 N 196		100	50 N 045	44¢
No. 8	21/64"	50	50 N 197		100	50 N 046	49¢
No. 10	⅜"	45	50 N 198		100	50 N 047	49¢

METAL WASHERS



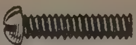
Nickel-plated metal washers for screw sizes indicated. All have thickness of 1/32". Av. shpg. wts.: 35c pkg., 3 oz.; pkg. of 100, 5 oz.

Screw Size	Hole Size	O. D.	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
No. 4	⅛"	9/32"	80	51 N 705	35¢	100	51 N 631	49¢
No. 6	5/32"	⅜"	80	51 N 706		100	51 N 632	49¢
No. 8	3/16"	7/16"	80	51 N 707		100	51 N 633	49¢

RUBBER GROMMETS

Soft, black rubber grommets of live rubber for long life. All fit chassis up to 1/16" thick. Av. shpg. wts.: 35c pkg., 2 oz.; pkg. of 100, 4 oz.

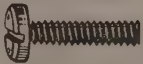
Mtg. Hole	Inner Dia.	Overall Dia.	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
¼"	⅛"	11/32"	16	50 N 212	35¢	100	50 N 056	1.10
5/16"	3/16"	7/16"	14	50 N 213		100	50 N 057	1.24
⅜"	¼"	9/16"	12	50 N 214		100	50 N 058	1.65
½"	⅜"	⅝"	10	50 N 215		100	50 N 059	1.86
⅝"	½"	13/16"	8	51 N 708		100	50 N 061	2.82



ROUND-HEAD MACHINE SCREWS

All are nickel-plated steel with slotted heads. Av. wts.: 35c pkg., 3 oz.; pkg. of 100, 6 oz.

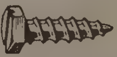
Size	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
2-56x¼"	40	51 N 709	35¢	100	51 N 606	.44
2-56x½"	40	51 N 710		100	51 N 607	.47
4-36x¼"	40	50 N 166		100	50 N 024	.47
4-36x½"	35	50 N 167		100	50 N 026	.51
4-40x¼"	40	51 N 711		100	51 N 596	.47
4-40x½"	35	51 N 712	35¢	100	51 N 597	.52
6-32x¼"	40	50 N 170		100	50 N 027	.52
6-32x½"	30	50 N 172		100	50 N 030	.61
6-32x¾"	30	51 N 713		100	51 N 599	.78
6-32x1"	30	50 N 173		100	51 N 600	.81
8-32x⅜"	25	51 N 714	35¢	100	51 N 601	.76
8-32x½"	25	51 N 715		100	50 N 031	.80
8-32x¾"	25	51 N 716		100	51 N 602	.91
8-32x1"	20	51 N 717		100	51 N 603	1.05
10-32x½"	20	50 N 175		100	51 N 604	.93



BINDING-HEAD MACHINE SCREWS

Nickel-plated steel. *For small toggle switches. Wts.: 35c pkg., 3 oz.; pkg. of 100, 6 oz.

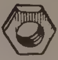
Size	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
2-56x¼"	40	51 N 718	35¢	100	51 N 729	62¢
2-56x½"	40	51 N 719		100	51 N 730	
4-36x¼"	40	51 N 720		100	51 N 731	
4-36x½"	35	51 N 721		100	51 N 732	
4-36x¾"	35	51 N 722		100	51 N 733	
4-40x¼"	40	51 N 723		100	51 N 618	
4-40x½"	35	51 N 724	35¢	100	51 N 734	62¢
5-36x¼"*	35	51 N 725		100	51 N 619	52¢
6-32x¼"	35	51 N 726		100	50 N 035	52¢
6-32x¾"	30	51 N 727		100	51 N 735	71¢
8-32x¾"	25	51 N 728		100	51 N 736	93¢



HEX-HEAD SHEET METAL SCREWS

All are nickel-plated, slotted and self-tapping. Pointed Type "A." Av. shpg. wts.: 35c pkg., 2 oz.; pkg. of 100, 4 oz.

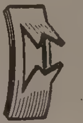
Size	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
4x½"	35	50 N 176	35¢	100	51 N 593	.85
6x¼"	30	51 N 737		100	50 N 032	.85
6x⅜"	25	51 N 738		100	51 N 594	.88
6x½"	25	51 N 739		100	50 N 033	.90
8x⅜"	20	51 N 740		100	51 N 595	1.03
8x½"	20	51 N 741		100	50 N 034	1.06



HEXAGON NUTS

Nickel-plated steel. Accurately threaded. Free of burrs. Wt.: 35c pkg., 3 oz.; pkg. of 100, 6 oz.

Thread	Width	Thickness	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
2-56	3/16"	1/16"	30	51 N 742	35¢	100	51 N 335	.67
3-48	3/16"	1/16"	30	51 N 743		100	51 N 336	.67
4-36	¼"	3/32"	30	50 N 186		100	50 N 039	.66
4-40	¼"	3/32"	30	51 N 744		100	51 N 635	.66
6-32	¼"	3/32"	30	50 N 188	35¢	100	50 N 043	.67
8-32	¼"	3/32"	30	50 N 193		100	50 N 044	.72
10-32	⅜"	5/64"	30	50 N 187		100	50 N 042	.95



TINNERMAN SPEED NUTS

Av. shpg. wt., per pkg. of 100, 4 oz.

Fit Screw Thread	Quantity	Stock No.	PER PKG.
No. 4	100	51 N 745	91¢
No. 6	100	51 N 746	76¢
No. 8	100	51 N 747	76¢

"50 LINE" HARDWARE ASSORTMENTS

In plastic boxes. Av. shpg. wt., 4 oz.

Stock No.	Description	Quan.
51 N 748	Round-head machine screws in assorted popular sizes. Nickel-plated steel.	35
51 N 749	Round-head machine screws and nuts in assorted popular sizes. Nickel-plated steel.	40
51 N 750	Above, sizes No. 2 and No. 4 only.	35
51 N 751	4-36 round-head machine screws. Nickel-plated steel.	40
51 N 752	6-32 round-head machine screws. Nickel-plated steel.	40
51 N 753	8-32 round-head machine screws. Nickel-plated steel.	40
51 N 754	Binding-head machine screws in assorted popular sizes. Nickel-plated steel.	35
51 N 755	Oval-head rack screws and washers in assorted popular sizes. Nickel-plated steel.	15
51 N 756	Assorted round-head wood screws. Nickel-plated steel.	25
51 N 757	Assorted spade bolts or mtg. screws. Nickel-pl. steel.	15
51 N 758	Assorted cartridge mtg. screws. Nickel-plated steel.	60
51 N 759	Hex-head sheet metal screws. Slotted, self-tapping. Nickel-plated.	25
51 N 760	Radio knob set-screws. Headless. Hardened steel.	15
51 N 761	Assorted hexagon nuts. Nickel-plated steel.	30
51 N 762	Assorted wing nuts. Nickel-plated.	10

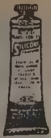
PER BOX .... 35¢

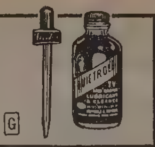
Stock No.	Description	Quan.
51 N 763	Assorted metal washers. Nickel-plated.	80
51 N 764	Assorted lock washers. All types. Cadmium-plated.	45
51 N 765	Assorted internal lock washers. Cadmium-plated.	50
51 N 766	Assorted external lock washers. Cadmium-plated.	60
51 N 767	Assorted split-type lock washers. Cadmium-plated.	60
51 N 768	Assorted C-washers. Cadmium-plated steel.	25
51 N 769	Assorted hair pin cotters.	50
51 N 770	Assorted flat fiber washers.	35
51 N 771	Assorted extruded and flat fiber washers.	30
51 N 772	Assorted extruded fiber washers.	30
51 N 773	Assorted snap button-hole plugs. Nickel-plated.	8
51 N 774	Assorted tinned soldering lugs.	30
51 N 775	Assorted compression springs. Small sizes.	20
51 N 776	Assorted compression springs. Large sizes.	15
51 N 777	Assorted rivets. Nickel-plated.	50
51 N 778	Assorted rivets and eyelets. Nickel-plated.	55
51 N 779	Assorted soft rubber grommets.	15
51 N 780	Assorted rubber feet. Screw-type.	8
51 N 781	Assorted felt pads.	40
51 N 782	Assorted angles and brackets.	12

PER BOX .... 35¢

Chemicals and Epoxys for Electronics

SPRA KLEEN
A





QUIETROLE CLEANER

G-C "SPRA-KLEEN" CONTACT CLEANER. Cleans and lubricates contacts, controls, elays, switches, and other sliding-contact evices in one fast operation. Simply spray nd work mechanism. Supplied in 6-oz. pray can. Shpg. wt., 10 oz.

0 N 075.......................97¢

-C DE-OX-ID CLEANER. All-purpose contact eaner. Has active ingredients in light oil ase. For use on volume controls, tone controls, audio mixers, relays, etc. One drop is fective for several months. In 2-oz. bottle. hpg. wt., 6 oz.

0 N 091.......................94¢

G-C 8101 Z5 COMPOUND. Aids heat-transfer from transistor to chassis. Silicone compound is applied in original in-allation and whenever transistors are re-laced. Supplied in 1-oz. squeeze-tube. hpg. wt., 2 oz.

0 N 074.......................2.06

G-C 211-4 CARBON TETRACHLORIDE. Nonexplosive and nonflammable. Ideal or cleaning controls and contacts. Makes xcellent household cleaner. Supplied in 4-z. bottle. Shpg. wt., 8 oz.

0 N 621.......................64¢

CHEMTRONICS "TUN-O-LUBE". Quiets noises in tuner. Cleans and lubricates ontacts. Easy to apply. Just spray on. Supplied in 8-oz. spray can. 1 lb.

1 N 270.......................1.69

HEMTRONICS "TROL-AID". High-quality ontrol and contact cleaner. Recommended or cleaning, lubricating and restoring of ontrols and switches. Supplied in conven-nt 8-oz. spray can. A "must" for the serv-eman. Shpg. wt., 1 lb.

1 N 271.......................1.69

E **CHEMTRONICS ALL-PURPOSE GLUE.** Perfect for electronics servicemen. Glue is strong and fast drying. Excellent for joining plastic, wood and metals. Supplied in 2-oz. bottle. Shpg. wt., 4 oz.

51 N 783.......................48¢

CHEMTRONICS FROST-AID. Helps you locate those hard-to-find intermittents caused by temperature changes. Just spray suspected components one at a time, and Frost-Aid cools them instantly. Helps pinpoint defective capacitors, resistors, transistors, cuts repair time. In 8-oz. spray can. Shpg. wt., 1 lb.

51 N 554.......................1.69

CHEMTRONICS CHEM-OIL. An excellent all-purpose penetrating and lubricating oil. Ideal for tuning shafts, phono drawer slides, record changer and tape recorder mechanisms, etc. Supplied in 8-oz. spray can. Shpg. wt., 1 lb.

51 N 553.......................1.52

F **"NO NOISE" TUNER TONIC.** Quickly cleans and lubricates tuners, controls, switches. Eliminates noise due to dirty components. Supplied in handy 6-oz. spray can. Shpg. wt., 14 oz.

51 N 397.......................2.20

G **QUIETROLE CLEANER.** Effectively eliminates noises from controls, etc. Safe, nonflammable. 2-oz. bottle with dropper applicator. Shpg. wt., 4 oz.

50 N 090.......................1.35

QUIETROLE SPRAY PACK. Similar to Quietrole cleaner listed above but has spray instead of dropper applicator. Perfect for those inaccessible components. Supplied in 6-oz. spray can. Shpg. wt., 10 oz.

50 N 719.......................2.73

JET-PAK SPRAY OUTFIT

\$1^{98}

Sprays up to 32 oz. of any liquid. Uses gas power-cartridge. Includes head assembly, 4-oz. glass jar, 15-oz. power unit. Shpg. wt., 1½ lbs.

50 N 638.......................1.98
50 N 640. 15-oz. Power Unit. 1 lb...1.20
50 N 642. Extra Jar. 5 oz.........13¢

The RAPID Electroplater
for HOME · FACTORY · INSTITUTION

Complete Kit for Quick, Easy Plating
As Low As

\$1^{67}

RAPID ELECTROPLATING KITS

The "Brushplater" permits easy electroplating of small metal items such as hardware, trim, metal knobs, etc. Each kit listed in table includes 1-oz. metal cleaner, 1-oz. metal polish plating compound, ⅝" brush, wires and clips, and polishing stick. Requires two No. 6 1½-volt batteries, listed below. Wt., 1 lb.

Stock No.	Type	Compound	EACH
50 N 076	200	Nickel	1.67
50 N 077	202	Cadmium	
50 N 079	204	Copper	
50 N 080	205	Brass	
50 N 088	206	Silver	2.66
50 N 089	207	24 K Gold	4.61

55 J 641 No. 6 Batteries. For above. Two required. 2 lbs.........Each 84¢

DEVCON, G.E., AND DOW-CORNING EPOXY AND SILICONE COMPOUNDS

DEVCON®

DEVCON EPOXY ADHESIVE
J

STEEL
DEVCON STEEL
K

2-TON EPOXY
L

DEVCON LIQUID aluminum
M

DOW CORNING

H **DEVCON "Z" ZINC.** Zinc-rich coating is 95% pure zinc with 5% epoxy binders. Seals out moisture; stops rust, rust-creep-ge by galvanic action. Exceeds MIL-P-6915A, MIL-P-21035 (Ships). Adheres to iron, steel. Apply by brush, dip, spray. 1½-lb. can. Shpg. wt., 1¾lbs.

1 N 784.......................1.95

J **DEVCON CLEAR-EPOXY ADHESIVE.** Makes permanent, transparent repairs. Easy to apply. Bonds to glass, china, ceramics, met-al and wood. Waterproof. 2-tubes (1¼ oz). Shpg. wt., 5 oz.

1 N 785.......................69¢

K **DEVCON STEEL.** Steel in paste form. Hardens to a tough rustproof metal. Use it to seal, fill, mend, bond, or repair. Burnish to copper or other finish by rubbing with desired metal. Chemical, oil, gasoline resistant. 6-oz. tube. 9 oz.

1 N 786.......................69¢

L **DEVCON "2-TON" EPOXY GLUE.** So strong a single drop will hold 2 tons. For all porcelain and appliance repairs. Hardens to glossy white finish. Waterproof, nonshrinking. Bonds metals, wood, porcelain, ceramics, glass, etc. 2-oz. tube. Shpg. wt., 5 oz.

51 N 787.......................69¢

M **DEVCON LIQUID ALUMINUM.** Aluminum in paste form. Just apply and let dry. Hardens to a durable rustproof metal. Permanently seals, fills and calks. 5½-oz. tube. Shpg. wt., 8 oz.

51 N 788.......................69¢

N **DEVCON RUST REMOVER.** Contains silicone. Easily removes rust and oxidation from steel, brass and aluminum. Quickly restores original brightness to auto bumpers, grillwork and trim. Supplied in 4⅛-oz. tube. Shpg. wt., 8 oz.

51 N 268.......................69¢

P **G.E. RTV-102 ADHESIVE SEALANT.** All-purpose silicone rubber adhesive-sealant. Adheres at room temp. Forms resilient silicone rubber. 3-oz. tube. 6 oz.

51 N 789.......................1.75
51 N 793. RTV-108. Above, but clear...1.75

R **DOW-CORNING 4X SPRAY.** Water repellent silicone. Excellent lubricant for rubber, plastics. Non-toxic, corrosion resistant. 16-oz. spray can. 1¼ lbs.

51 N 790.......................1.95

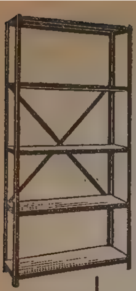
S **DOW-CORNING 33 GREASE.** Lubricates at temperature extremes. For antenna rotors, recording motors, etc. —100°F to +350°F. 2-oz. tube. Wt., 4 oz.

51 N 791.......................1.25

T **DOW-CORNING 340 HEAT-SINK COMPOUND.** Provides high thermal conductivity path reducing operating temperature of device. 5-oz. tube. Shpg. wt., 7 oz.

51 N 792.......................3.95

Edsal Shelving, Cabinets and Workbench

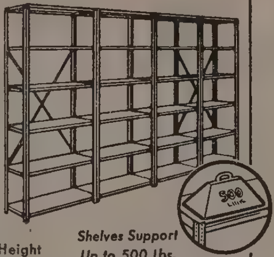


EDSAL

HEAVY-DUTY STEEL STORAGE RACKS

As Low As $5^{95}

Use them Singly or in Rows



- Easy to Assemble
- Adjustable Shelf Height

Shelves Support Up to 500 Lbs.

DELUXE RACKS. Easy to assemble—just bolt tops and bottoms together; shelves securely held by exclusive "Kwik-Klip" fasteners. Posts are punched at intervals for convenient shelf adjustment. 75" high, 36" wide. Baked gray enamel finish—fully rust resistant. With 5 shelves; extra shelves listed below. Racks with "Z" in Stock No. shipped express or truck.

50 NZ 783. With 12" Deep Shelves. 47 lbs.	8.95
50 NZ 784. With 18" Deep Shelves. 60 lbs.	11.45
50 NX 781. Extra 12" Shelf. 6 lbs.	1.39
50 NX 782. Extra 18" Shelf. 8 lbs.	1.89

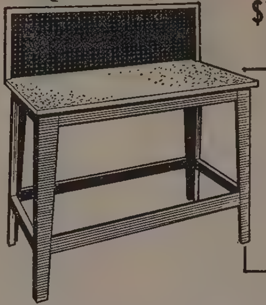
ECONOMY RACKS. Low-cost shelf and rack units. Each has 5 shelves; extra shelves listed below; 4-bolt construction. Hold 275 lbs. per shelf. Racks with "Z" in Stock No. shipped express or truck.

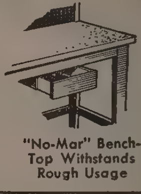
50 NZ 801. Type 7230. 73x30x12". 23 lbs.	5.95
50 NZ 802. Type 7218. 73x36x18". 29 lbs.	8.45
50 NX 803. Extra 12x30" Shelf for Type 7230. 3 lbs.	1.10
50 NX 804. Extra 18x36" Shelf for Type 7218. 5 lbs.	1.60

EDSAL

ALL-STEEL-FRAME WORKBENCH

$15^{95} With Large Pegboard Tool Rack





"No-Mar" Bench-Top Withstands Rough Usage

Sturdy all-steel-frame hobby and workbench for home or business. Durably constructed to provide years of service. Deluxe features include: large 48x15" reinforced pegboard tool rack—plenty of storage space for a big tool assortment; large 48x24" table top of mar-resistant 1" thick, high-impact compressed board that withstands even the roughest usage. Accommodates two steel storage drawers, below. Gray oven-baked enameled steel parts are rust-resistant for long life. Less drawers, below. Comes knocked down to save you shipping charges—assembles in minutes. 34½" high. Shpg. wt., 82 lbs. Shipped express or truck.

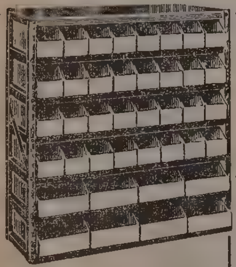
50 NZ 523.	15.95

NEW 24x60" STEEL-FRAME WORKBENCH. Similar to above but 60" wide. Less pegboard back. Accommodates two drawers, below. 90 lbs. Shipped express or truck.

51 NZ 563.	17.95

STEEL STORAGE DRAWER. For either workbench listed above. Gray enamel finish. Size, 3x12x20". Shpg. wt., 15 lbs.

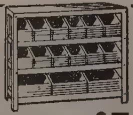
50 NX 524.	Each 2.98



EDSAL

PARTS CABINETS

$14^{95} 40-Drawers



15-Drawers $5^{98}

- Heavy-Duty, All-Steel Frame
- One-Piece Drawers

40-DRAWER CABINET. One of the handiest and best-built parts storage cabinets available. Perfect for use in the home and in industrial applications. Use it to hold everything from small tools or hardware to electronic components. Features a total of 40 drawers—32 big 4x11" and 8 jumbo-size 8x11" drawers in a single, portable frame. Several of the compact cabinets, used side by side, will provide almost unlimited storage space. One-piece drawers are of sturdy corrugated-board construction. A special stop-tab built into the rear of the cabinet keeps drawers from being pushed in too far or pulled out too far—prevents accidental spilling. Rugged, heavy-duty all-steel-frame is 37x36x12". Unit is shipped knocked down, easy to assemble—parts lock right into place. Shpg. wt., 37 lbs. Shipped by express or truck only.

51 NZ 145	14.95

15-DRAWER CABINET. Similar to above. Same heavy-duty steel frame and one-piece drawer construction. 12 drawers are 4½x8x11", 3 drawers are 4½x4x11". Overall size, 26x21x12". Shpg. wt., 24 lbs. Shipped express or truck.

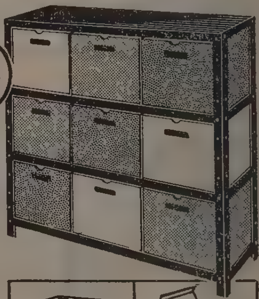
51 NZ 470	5.98

EDSAL

"STAK-N-STOR" STORAGE BINS

- Adjustable, Versatile
- Modular Design
- Dustproof Storage
- Furniture-Steel Frames

$8^{44}

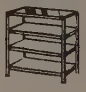


Ideal for home, office, workshop or store use. Feature heavy gauge furniture-steel frames; rustproof, baked enamel finishes; smooth rolled edges for maximum safety.

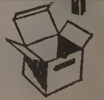
Each unit includes 9 heavy, fibreboard storage containers of sturdy one-piece, self-locking construction. Each storage container is 11x11x10" and utilizes a hinged, self cover for dust-free storage. Makes a small, handy carry-out package; easily transported.

Versatile unit has 4 adjustable shelves; is extremely compact. Measures only 40" high, 34" wide and 11" deep—fits anywhere. Shpg. wt., 25 lbs.

51 NU 471-G	8.44

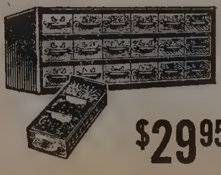


With Boxes Removed Becomes 4-Shelf Rack



1-Piece, Dustproof Design

EQUIPTO HEAVY-DUTY 18-DRAWER STORAGE CABINET



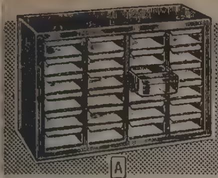
$29^{95}

NO. 11. Ideal for storing small parts. Each drawer has two removable cross-dividers—adjustable in 1" intervals. Jam-proof drawers have large, convenient handles. Instant-visibility label holders on drawers and dividers for quick identification. Heavy-duty all-steel frame. Olive-green finish. Drawers are 3⅛" deep, 5⅜" wide, 11" long. Cabinet is 13¾x34x12". Cabinets may be stacked. Shpg. wt., 62 lbs.

52 NZ 705	29.95

Small-Parts Cabinets, Pegboards

AKRO-MILS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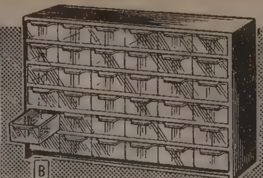
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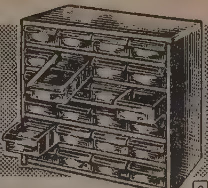
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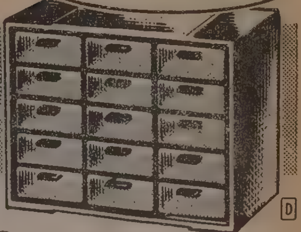

D

A "HANDY BIN" UTILITY CABINET

MODEL 24HBA. Welded-steel frame. 24 clear-plastic drawers, 2¾x5¾x1¼", have adjustable divider that locks in place. Safety tab prevents spilling. Cabinet stacks neatly, may be hung on wall. Silver-gray hammertone. With labels, one divider per drawer. Overall, 9x13x6". 7 lbs.
50 NX 780........................**4.95**

51 NX 502. 24 FA Cabinet. As above but 16 drawers, 2x2¾x5¾". Can be stacked on 24HBA above. 6 lbs..................**4.95**

B DELUXE CABINETS

J-SERIES. Stand, stack or hang on wall. Clear plastic drawers, 1 7/16x2¾x5⅞", separated into 3 sections by removable dividers. With labels. Metal cabinets are gray hammertone. All 6" deep; 12½" wide except * 25⅛". *Shipped express only.

Stock No.	Type	Dr'w'rs	Ht.	Lbs.	EA.
51 NX 501	J-35	36	15¼"	13	12.48
50 NX 902	J-48	48	22½"	20	18.98
50 NZ 777	J-128*	128	30½"	51	52.98

D HB-SERIES ECONOMY CABINETS

Compact "Handy-Bin" plastic cabinets provide convenient and economical storage for small parts and supplies. Feature see-through, spillproof-design styrene plastic drawers. Each drawer is supplied with one divider and index labels. Cabinets are handsomely styled in beige. Drawer size, 1¼x2¾x5¾". All cabinets listed are 9¾" wide and 6¼" deep.

Stock No.	Type	Drawers	Ht.	Lbs.	EA.
52 N 915	9HB	9	5"	2	1.99
52 NX 740	15HB	15	7½"	4	2.99
52 NX 741	21HB	21	10⅜"	6	3.99

C M4B-SERIES METAL SMALL-PARTS CABINETS

Sturdy metal parts storage cabinets in a choice of 16, 24 or 40-drawer sizes. Feature large 2x4x11" clear plastic drawers with snap-in dividers and index labels. Cabinets are finished in gray enamel; overall size, 17⅞" wide, 11" deep.

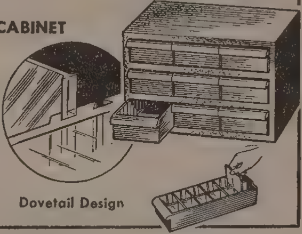
Stock No.	Mfr's Type	Drawers	Ht.	Wt., Lbs.	EACH
52 NX 749	M4B16	16	11½"	18	17.98
52 NZ 750	M4B24	24	16⅞"	25	31.98

NEW!

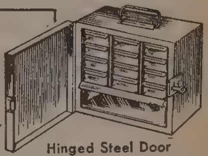
UNBREAKABLE 9-DRAWER CABINET

MODEL XT-509. Strong, extra-large drawers of hi-impact, unbreakable polystyrene; 5¼x11x3 1/32" high. Dove-tail dividers—drawers can't spread. Heavy-gauge steel cabinet, 10¼x17⅞x11" deep. With labels, 8 dividers for each drawer: 1-lengthwise; 6; half-width; and 1 full-width. 18 lbs.
51 NX 503.....................**17.98**

51 NX 504. XT-315 15-Drawer Cabinet. Above, but 3⅛"-wide drawers. 18 lbs. **17.98**


Dovetail Design

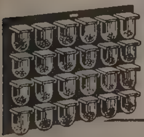
$5.63
13-Drawer
Locking
Cabinet


Hinged Steel Door

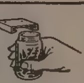
MODEL 18-PA STORAGE CABINET

The best way to store, protect and transport small articles. Locking door provides protection from dust, moisture and theft. Twelve small drawers, 1¼x2¾x5¾"; and one jumbo drawer, 2½x8¾x5¾". Silver gray steel frame, 9x10x6½". With one divider per drawer. 6 lbs.
51 N 562........................**5.63**

VIS-A-PART BOARD



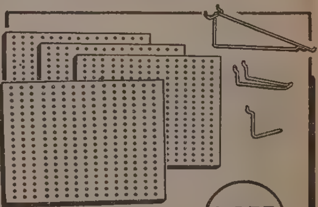
As Low As
$1.91


Jar Contents
Are Always
Visible

VIS-A-PART STORAGE RACKS

An absolute "must" for the workshop or repair bench. Provides ideal low-cost storage for screws, nails, resistors, capacitors, grommets, washers, or any other small parts. Contents are visible at all times. Jars slide out easily, already open. Masonite board has 4 mounting holes for easy installation. Storage jars are supplied with rack.

Stock No.	Mfr's Type	Size	Lbs.	EACH
52 NX 743	12-Jar	8¾x18"	4½	1.91
52 NX 742	24-Jar	18x18"	9	3.53


Complete
84-Piece Kit

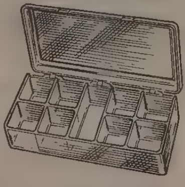
$4.55

DUR-O-PEG PEGBOARD KIT

MODEL 1102. Convenient, economical storage space for tools and parts. Supplied with four 18x24", perforated ⅛" thick hardboard panels to provide 12 square ft. of storage area that can be adapted to changing needs—in seconds. Kit includes: 4 panels; 6 jar holders; 4 storage jars; 3—5" double hooks; 2 small-loop hooks; 20 small straight hooks; 20 medium-loop hooks; 2—8" shelf brackets; 3 large loop hooks; 3 medium straight hooks; 16 mounting screws with spacers; 1 multiple tool rack. 4 lbs.
51 NX 560..................**4.55**

HARDWARE KIT. Contains assortment of 64 hooks and fixtures described in listing above, less perforated panels. Shpg. wt., 4 lbs.
51 NX 561..................**2.25**

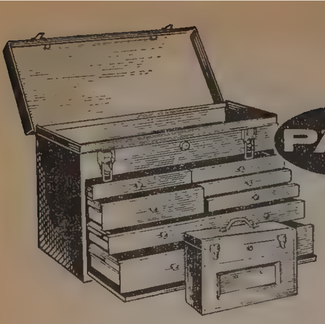
VLCHEK CLEAR-PLASTIC STORAGE BOXES



Rugged, all-plastic hinged-top storage boxes with from 1 to 24 compartments. Have hundreds of uses. Ideal for storing all kinds of small parts, resistors, capacitors, fuses, hardware, etc. Lightweight, rigid, strong, scratch-resistant and easy to clean. Molded of clear polystyrene plastic; lets you find what you're looking for quickly—without even opening the box. Feature exceptionally strong hinge design. Type P250 listed below has removable cover. *In table below indicates total number of compartments.

Stock No.	Mfr's Type	*No.	Size of Compartments	Overall Size	Lbs.	2 FOR
51 N 375	P250	1	5⅞x3⅝"	6¼x4x1 11/16"	⅔	.76
51 N 376	P221	4	1 5/16x2⅛"	4⅝x3x1⅛"	½	.44
51 N 377	P212	5	4—1⅝x2½"; 1—1⅝x3¼"	7x3¾x1¼"	1	.74
51 N 378	P203	6	1¼x3 15/16"	8¼x4½x1⅜"	1½	1.02
51 N 379	P210	9	8—1⅜x1⅝"; 1—1⅛x3¼"	7x3¾x1¼"	1	.74
51 N 380	P201	12	6—1¼x1¼"; 4—1¼x2"; 2—1¼x3 15/16"	8¼x4½x1⅜"	1½	1.02
51 N 381	P612	12	6—1⅝x1 15/16"; 6—1⅝x4"	11x6¾x1¾"	2	2.44
51 N 382	P200	18	1¼x1¼"	8¼x4½x1⅜"	¾	1.02
51 N 383	P618	18	1⅝x1 15/16"	11x6¾x1¾"	2½	2.56
51 N 384	P818	18	12—2x2"; 6—2x4 3/16"	13⅛x9x2 5/16"	3	3.90
51 N 385	P824	24	2x2"	13⅛x9x2 5/16"	3½	4.06

Organize Your Parts and Tools



HEAVY-DUTY MACHINIST'S CHEST

$24.89
- 7 Felt-Lined Drawers
- Pin Tumbler Lock and Keys

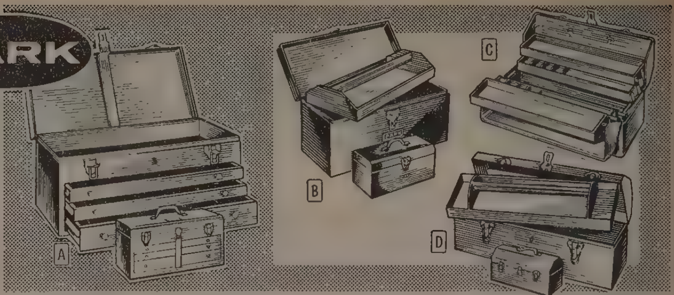
MODEL 700. For storage and protection of precision tools. Ideal for machinists, electronic and automotive workers as well as hobbyists.

Made of electrically welded heavy-gauge steel. Brown baked enamel finish. Has one-piece drawbolts with pin tumbler lock and 2 keys, full suspension drawer slides, felt-lined removable drawers. Locking front-panel stores below drawers when open.

Overall size, 13¼x20x8½"; till in top, 4x20x8½". 4 drawers are 1x8⅝x7½"; 3 others: 2x8⅝x7½"; 1½x18¼x7½"; 2⅜x18¼x7½". Shpg. wt., 30 lbs.
51 NZ 508......................24.89

MODEL 1000 10-DRAWER MACHINIST'S CHEST. Similar to Model 700 above, but has 10 drawers. Overall size, 17½x20x8½". 6 drawers are 1x8⅝x7½". 4 others; 2x8⅝x7½"; 1½x18¼x7½"; 2⅜x18¼x7½"; 3x18¼x7½". 40 lbs.
51 NZ 507......................29.76

MODEL 300 MACHINIST AND MECHANIC'S CHEST. Similar to Model 1000. Has 3 drawers (no felt lining.) Has eye for padlocking. Overall and till size same as above; 3 drawers: 1½x18¼x7½"; 2⅜x18¼x7½"; 3x18¼x7½". Shpg. wt., 27 lbs.
51 NZ 509......................18.63



A MODEL P-23 3-DRAWER CHEST

Perfect for keeping tools separate for quick easy use. All 3 drawers have full suspension slides and are easily removed for cleaning. Drawers are locked when cover is closed and lock hasp and strap are in place. Heavy-gauge. Has full grip steel handle for easy carrying; durable baked enamel finish. Overall size, 9¾x20x9⅛". Till in top, 2⅝x19¾x8¾". Has 2 drawers 1 1/32x18¼x8¾"; 1 drawer, 2¼x18¼x8¾". Shpg. wt., 18 lbs.
51 NX 506......................10.50

2-DRAWER CHEST. Same as Model P-23 above, but has 2 drawers, 2¼x18¼x8¾". Shpg. wt., 16 lbs.
51 NX 149......................9.75

B MODEL P-18 MECHANIC'S TOOL BOX

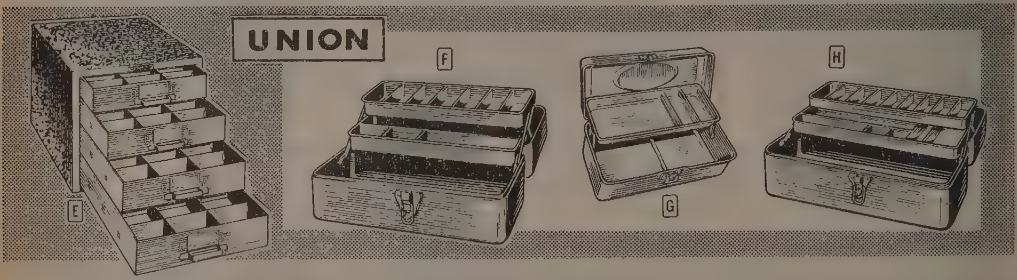
General purpose flat-top tool box for shop, home, farm and industry. Has large removable tote-tray with socket compartment and comfortable tubular handle. Plenty of room for the average tool set. Weather-resistant baked enamel silicone-treated finish. New one-piece virtually indestructible heavily plated hardware. Full-length hinge. Constructed of electrically welded heavy-gauge steel. Overall size, 9x18x8". Shpg. wt., 10 lbs.
51 NX 591......................5.49

C MODEL 2180 SERVICEMEN'S AND MECHANIC'S 4-TRAY TOOL BOXES

Offers huge storage capacity. Big 21" length provides ample space for long items. Has two full trays, two partially partitioned trays, with cantilever mounting. Large roomy storage space below trays. Constructed of heavy-gauge steel with electrically welded seams and integral full-length hinge. Has two drawbolts plus padlock eye. Heavily plated hardware. Durable silicone-treated baked green enamel finish. Overall size, 10x21x8½". Shpg. wt., 13½ lbs.
51 NX 144......................7.49

D MODEL 702 HIP-ROOF BOX

A tool box very popular with mechanics. Features a compartmented lift-out tote tray complete with socket partition and comfort-shaped tubular handle. Continuous full-length hinge is electrically welded to case and cover for extra strength. One-piece heavily plated indestructible hardware. Ruggedly constructed box is made of heavy-gauge steel throughout, with 2 drawbolts and padlock eye. Durable silicone treated baked enamel finish keeps its luster even after years of service. Overall size, 8⅛x20x7¼". Shpg. wt., 9 lbs.
51 NX 592......................5.49



E MODEL 410 4-DRAWER PARTS CHEST

Sturdy all-steel construction. Chest has many uses in radio and television shops, home workshops, offices, service stations, repair shops, and schools. Ideal for the storage of many types of small parts and supplies. Several units may be stacked for large industrial installations. Interchangeable drawers have adjustable partitions for up to 12 compartments per drawer. Flush joints are electrically welded and have one-piece drawer supports. Each drawer has cardholder for easy indexing. Bar handle attached to each drawer front for easy opening. Cabinet is finished in silver-color with harmonizing blue enameled drawers. Drawer size, 2x9x11½". Overall size, 10x10x11½". Shpg. wt., 10½ lbs.
52 NX 709......................5.49

F MODEL 5414 "WATERTITE" CHEST

Features two cantilever-mounted trays and watertight design. Extra-large tray capacity makes unit ideal for storage of tools and small parts. Push-button self-latching drawbolt ends accidental spilling. Upper tray has 7 compartments; lower tray contains one full length, one 2/3 length and 2 smaller compartments. Easy-grip steel handle. Mar-resistant, handsome green-enamel finish. Size 7x14½x7¼". 5 lbs.
52 NX 712......................3.59

G MODEL 4313 ALL-PURPOSE CHEST

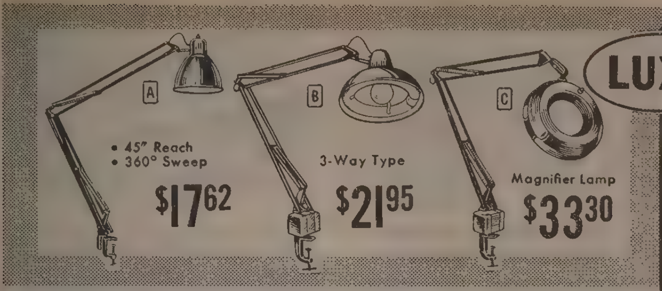
Low-cost steel chest with a single-cantilever 3-compartment tray. Full-drawn leakproof seamless body and snap-catch with provision for padlock. Hardware fittings are machine riveted. 12" rule embossed on cover. Full-grip handle. Blue enamel finish. For tools, parts or fishing gear. Size, 4½x13½x6½". Wt., 2½ lbs.
50 NX 816......................1.49
50 NX 815. Type 4013. As above but without tray. Wt., 2 lbs......................1.19

H MODEL 5419 DELUXE STEEL CHEST

One-piece all-steel watertight construction. Seamless. Machine-riveted hardware. Push-button self-latching drawbolt has padlock eye. Virtually spillproof. Two trays: upper has 9 sections; lower, 6 sections. Steel handle has plastic finish. Size, 7x19x7¼". Shpg. wt., 7 lbs.
52 NX 739......................4.25

Adjustable Lamps for Home and Office

LUXO



A MODEL L-1A ALL-ANGLE LAMP

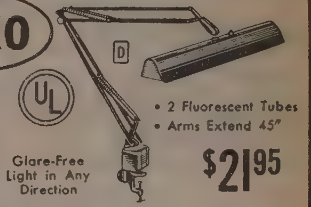
Features precision construction and exceptional flexibility. Has two 45″ extension arms with 360° sweep. Spring-loaded swivel joints, knurled-nut tension control. Vented porcelainized shade for rapid heat dissipation. Has on-off switch at top of shade. With mounting clamp for table or desk. Dove gray. U.L. Listed. Less bulb; uses standard incandescent. For 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.
50 NX 820....................17.62

B MODEL LC-1A COMBINATION LAMP

Excellent for working with color. Combines incandescent and fluorescent light in one fixture. Either light can be used individually, or together. Rotary switch for incandescent, pushbutton for fluorescent. Arms reach 45″; sweep 360°. Clamp for table or desk. Gray finish. U.L. Listed. Uses 60-watt incandescent bulb and Circline T9 fluorescent tube (not included). For 110-120 v., AC. Wt., 9 lbs.
50 NU 814. *$5 Monthly*..........21.95

C MODEL LFM-1A MAGNIFIER LAMP

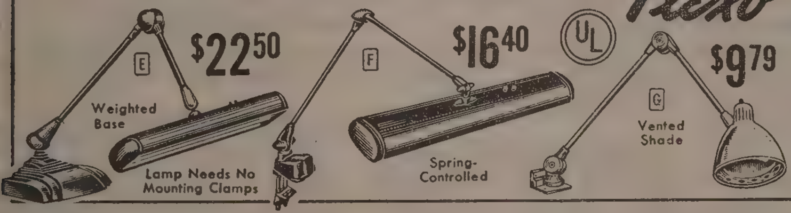
Combines large magnification, cool fluorescent light and excellent maneuverability. 5″ lens gives big distortion-free view of subject. Spring-balanced. 360° sweep and 45″ reach. With mounting clamp. Gray finish. U.L. Listed. Less tube; uses T9. For 110-120 v., 60 cycle AC. 8 lbs.
50 NX 800. *$5 Monthly*..........33.30

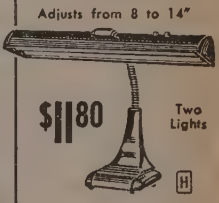


D MODEL FL-1A ALL-ANGLE FLUORESCENT LAMP

Expertly designed all-purpose fluorescent lamp with "feather-touch" positioning—lamp can be raised, lowered or turned with slight finger pressure. Ideally suited for any type of work where a large area of concentrated light is required. Unique, spring-loaded extension arms always "stay-put" in proper position. Lamp housing is also adjustable. Casts glare-free light. Shade size, 19x4½″. Has handy push-button starter; mounting clamp for desk or table. Two extension arms reach 45″, sweep 360°. Gray finish. Less tubes; uses 2 T8's. U.L. Listed. For 110-120 volts, 60 cycle AC. Shpg. wt., 9 lbs.
50 NX 812. *$5 Monthly*..........21.95

FLUORESCENT AND INCANDESCENT LAMPS By Flexo





E MODEL 4324 PORTABLE DESK LAMP. Use it on desks where a screw-clamp is not practical. Virtually tip-proof. Has sturdy, weighted base. Double arm extends 32″. Spring-controlled swivel joints. Has grooves in base for pen and pencil. Bronze finish. Less tubes; uses 2 T8's. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 23 lbs.
50 NU 811. *$5 Monthly*..........22.50

F MODEL 4303 ALL-PURPOSE FLUORESCENT LAMP. Similar to above, but screw-clamp mounting. Head tilts vertically 180°; rotates 300°. Upper elbow tilts 160° vertically; lower, 110°. Extends 36″. Spring-controlled swivel joints. Less tubes; uses 2—T8's. U.L. Listed. For 110-120 v., 60 cycle AC. 10 lbs.
50 NX 809..........16.40

G MODEL 5600 "COOL-SHADE" LAMP. Has vented shade for cool handling. Swivels at base, shade, and each joint. Spring-controlled—stays where placed without dropping. Extends 42″. Shade, 5½x7″. Universal base for clamping or screw-mounting on desk or work bench. Gray. Less bulb; uses standard incandescent. U.L. Listed. For 110-120 v., 60 cycle AC. Wt., 3½ lbs.
50 NX 785..........9.79

H MODEL 4444 "FLEXARM" TWIN-LIGHT. Two-light fluorescent lamp. Adjusts in height from 8″ to 14″. Heavy-gauge steel shade. 20⅛x4½x18″. Pushbutton on-off switch. Bronze finish. Rubber feet. Less tubes; uses 2 T8's. U.L. Listed. For 110-120 volts, 60 cycle AC. Shpg. wt., 10 lbs.
50 NX 786..........11.80

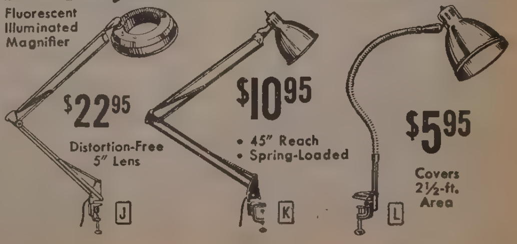
SWING-O-LITE ADJUSTABLE LAMPS

J MODEL BBM-9 FLUORESCENT MAGNIFIER LAMP. Distortion-free magnification and cool fluorescent light. Large 5″ lens with 13″ focus. Arms extend 45″. Lamp is spring-controlled and counterbalanced for easy positioning. Gray finish. With "C" mounting clamp. Less tube; uses Circline T9. U.L. Listed components. For 110-120 v., 60 cycle AC. Wt., 10 lbs.
51 NU 193. *$5 Monthly*..........22.95

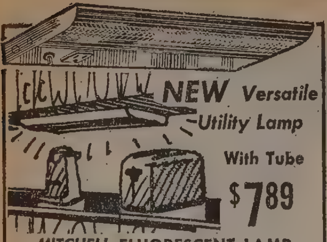
K MODEL BB45C ALL-PURPOSE LAMP. Raises, lowers, turns at slightest pressure. Spring-controlled. Arms extend 45″. Vented shade provides cool handling. Gray. With "C" mounting clamp; less bulb; uses standard incandescent. U.L. Listed components. For 110-120 volts, 60 cycle AC. Shpg. wt., 5 lbs.
51 NX 192..........10.95

L GOOSENECK CLAMP LAMP. Vented shade rotates on joint. Gooseneck describes 30″ circle. Dove-gray. "C" clamp. Less bulb. For 110-120 v., 60 cycle AC. 5 lbs.
50 NX 976..........5.95

Swing-O-Lite
QUALITY LAMPS FOR EVERY PURPOSE



Fluorescent Fixtures, Lamps and Accessories



MITCHELL FLUORESCENT LAMP

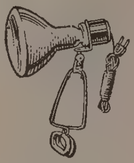
MODEL 11228. Fluorescent light for supplemental lighting. Ideal for under cabinet use in kitchen, laundry, or workshop. White. Wired, with grounded receptacle, switch, 6-ft. cord and plug. 12⅝" long. With tube. For 110-120 v., 60 cycle AC. 2 lbs.

51 N 583........................7.89

NEW

UTILITY CLAMP-ON LAMPHOLDER

$1.49



Versatile porcelain socket's vise-action, spring-clamp grips securely. Also accepts infra-red, sun, heat lamps. Less bulb. 6-ft. U.L.-Listed cord, plug. For 110-120 v., 60 cycle AC. 1 lb.

51 N 585........................1.49

[A] CIRCLINE TWO-LAMP FLUORESCENT FIXTURE

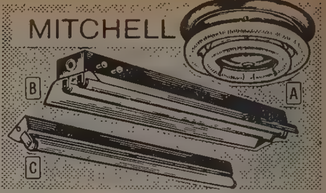
MODEL 841C. Low-cost, chrome-plated, attractive fluorescent fixture for any room. Provides even distribution of comfortably soft light. Boasts convenient "instant-start" feature. Its clear, glareless illumination is equivalent to the light of a 100-watt incandescent bulb. Base mounts flush with wall or ceiling. With 12" dia. 32-watt, and 8"-dia. 22-watt fluorescent lamps. With all hardware. U.L. Listed. For 110-120 volts, 60 cycle AC. 11 lbs.

51 NX 584........................11.98

[B] HIGH-INTENSITY RAPID-START FLUORESCENT FIXTURE

MODEL 2099RS. Uses two 40-watt 48" lamps to achieve glareless, highly intense lighting. Features rapid starting. Corrected power factor. Also has knock-outs for wiring connectors. Clean, white enamel finish. Complete with T12 tubes. U.L. Listed. For 110-125 volts, 60 cycle AC. 17 lbs.

51 NX 546........................12.95



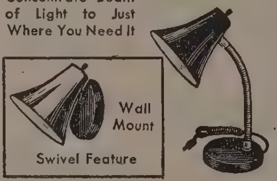
[C] SINGLE-LAMP FLUORESCENT STRIP-LIGHT FIXTURES

Attractive fixtures that are easy to install on wall or ceiling for glareless, comfortable lighting. Finished in white, baked-enamel. Normal power factor. Supplied complete with tubes and starters. U.L. Listed. For 110-120 volts, 60 cycle AC.

Stock No.	Mfr's Type	Watts	Lgth.	Wt., Lbs.	EACH
51 NX 547	940-2	20	24"	4	3.69
51 NX 548	940-4	40	48"	6	5.49

LOW-COST *EAGLE* DESK AND PIN-UP WALL LAMPS

Concentrate Beam of Light to Just Where You Need It



DESK LAMP. Decoratively fashioned lamp of lustrous bakelite with 12" flexible arm for easy positioning. Has weighted, felt-lined base. 16" high. With 6-ft. cord. Less standard bulb. U.L. Listed. For 110-120 volts, 60 cycle AC. Shpg. wt., 1¾ lbs.

51 N 249. Black Shade and Silver Arm..........2.69

51 N 248. Red Shade and Gold Arm..........2.69

PIN-UP WALL-LAMP. Made of bright, break-resistant plastic. Easy key-slot mounting. With 6-ft. cord. Less standard bulb. U.L. Listed. For 110-120 volts, 60 cycle AC. Shpg. wt., 1¼ lbs.

51 N 221. Chinese Red..........1.79

51 N 222. Black Base and Ivory Shade..........1.79

STANDARD AND CIRCLINE FLUORESCENT TUBES

Use only a fraction of the power of incandescent bulbs. White tubes have light characteristic similar to standard incandescent bulbs. Daylight tubes provide slightly bluish tinge, approximating daylight. Cool-white tubes are 4500° Kelvin. All have medium-size bi-pin bases, except T5 (miniature bi-pin) and Circline tubes (4-pin bases). *Circline tubes; size in table is diameter of tube circle. §Rapid-start types. †For 762G fixture.

Stock No.	Type	Watts	Size	Tube Dia.	Color	Wt., Lbs.	EACH
52 N 920	T5	4	6"	⅝"	Cool-white	½	1.39
52 N 933	T5	6	9"	⅝"	White	½	1.39
51 N 586	T51	8	12"	⅝"	Cool-white	¼	1.39
52 N 930	T12	14	15"	1½"	Cool-white	1	.95
52 N 922	T8	15	18"	1"	Daylight	1	1.05
52 N 931	T12	15	18"	1½"	Cool-white	1	.95
51 NX 109	T12†	20	24"	1½"	Cool-white	½	.95
50 NX 828	T12	20	24"	1½"	Daylight	1½	1.05
52 N 934	T9*	22	8¼"	1⅛"	Cool-white	1½	2.99
52 N 932	T10*	32	12"	1¼"	Cool-white	1½	2.99
50 NX 822	T12§	40	48"	1½"	Cool-white	2	1.10
50 NX 821	T12§	40	48"	1½"	Daylight	2	1.17

ADVANCE FLUORESCENT BALLASTS

Wide selection of superior-quality ballasts for all popular fixtures. *Tube watts. †For use with rapid-start tubes. ‡45 to 55% corrected. **Over 90% corrected. All ballasts are U.L. Listed. For 110-125 volts, 60 cycle AC.

‡1-LAMP BALLAST—NORMAL POWER FACTOR

Stock No.	Type	Watts*	Size	Ctrs.	Lbs.	EA.
50 N 744	L-120F	15/20	4¼x2x1 7/16"	3 9/16"	1	1.20
50 N 745	L-140F	30, 40	6½x1 15/16x1⅜"	6"	2	1.90
50 N 746	LO-14-20-C	14, 15, 20	3⅛x1 25/32x1¼"	2¾"	¾	.87
50 N 753	RLC-140	32, 40	6½x1 15/16x1⅜"	6"	2½	2.58

‡2-LAMP BALLAST/NORMAL POWER FACTOR

Stock No.	Type	Watts*	Size	Ctrs.	Lbs.	EA.
50 N 747	L-220F	15-15, 20-20	6¼x2x1 7/16"	5 9/16"	1½	2.15
50 N 748	R-22-32	22-32	6½x2⅜x1 11/16"	6"	3	3.48

**2-LAMP BALLAST/HIGH POWER FACTOR

Stock No.	Type	Watts*	Size	Ctrs.	Lbs.	EA.
50 N 749	S-240	40-40	11¾x2⅜x1 11/16"	11¼"	4½	5.40
50 N 750	RSHM-240	40-40	9½x2⅜x1 11/16"	8 29/32"	4¼	6.55
50 N 752	†RQM-2S40	40-40	9½x2⅜x1 11/16"	8 29/32"	4	4.90

STARTERS AND SOCKETS

[D] LAMPHOLDER SOCKET. 14, 15, 20, 30, 40 watts. Black. 2 per pkg. Shpg. wt., 3 oz.

51 N 258........................Pkg. of 2 for 75¢

[E] STARTERS. *Circline. †Circlarc. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Watts	PKG. OF 2
51 N 254	FS2	14, 15, 20	36¢
51 N 255	FS4	30 or 40	36¢
51 N 256	FS12	32*	43¢
51 N 257	FS22	14, 15, 18* 20-22†	45¢

[F] STARTER SOCKET. Dual-loc remote starter socket. 2 per pkg. Shpg. wt., 4 oz.

51 N 259........................Pkg. of 2 for 27¢

[G] STARTER SOCKET/LAMPHOLDER. Combination Flex-Lock lampholder and Dual-Loc Starter socket. 2 per pkg. Shpg. wt., 4 oz.

51 N 260........................Pkg. of 2 for 99¢

INSULATED COPPER STAPLES

Excellent for holding electrical cords in place. Insulation is colored in unobtrusive off-white shade. In boxes of 50. Shpg. wt., 7 oz.

50 N 914. 3/16x½"....Box of 50 for 21¢

50 N 915. 3/16x¾"....Box of 50 for 21¢

G-C CABLE CLAMPS

Nickel-plated clamps for cables from ⅛" to ½" diameter in size. All have No. 6 mounting hole. 25 per pkg., except *20 per pkg., †15 per pkg. Av. shpg. wt., per pkg., 4 oz.

Stock No.	Type	Fit Cable	PER PKG.
51 N 215	H502F	⅛" to 3/16"	36¢
51 N 216	H503F*	3/16" to ¼"	
51 N 217	Z7243†	¼" to 5/16"	
51 N 218	H506F†	5/16" to ½"	

PHENOLIC-TYPE SOLDERLESS WIRE CONNECTORS

No Tools Required

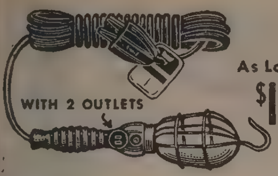
Extremely handy solderless wire connectors. All you have to do is strip two ends, push them into connector, and screw cap down. Absolutely no tools are required. Wire cannot be pulled out after being inserted into the connector. Made from the finest grade of phenolic. U.L. Listed. Av. shpg. wts.: pkg. of 25, 2 oz.; pkg. of 100, 8 oz.

Wire Size	Stock No.	Pkg. of 25	Pkg. of 100
16-18	51 N 236	27¢	....
14-18	51 N 237	30¢	....
12-18	51 N 238	45¢	....
16-18	51 N 239	....	.89
14-18	51 N 240	....	1.05
12-18	51 N 241	....	1.65

Depend on Allied for Your Fluorescent Lighting Supplies

Electrical Cords, Fixtures and Accessories

TROUBLE-LAMP BARGAINS

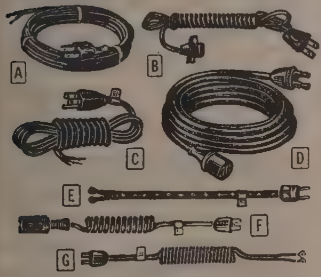


As Low As $\$1^{69}$

Rugged units let you extend light and power to any convenient point—invaluable for service work. Each has heavy-insulation cable. Hard rubber handle houses switch and 2 outlets to power tools. Bulb protected by reflector guard. Switched outlets supply up to 600 watts at 110-125 v. AC-DC, less power consumption of bulb. Supplied less bulb. Av. wt., 3 lbs.

50 N 947. With 50-ft. Cable....... .2.29
50 N 946. With 25-ft. Cable 1.69

BELDEN REPLACEMENT, EXTENSION AND TV CORDS



LIGHT-DUTY REPLACEMENT CORDS. Flexible, rubber-covered cords with unbreakable vinyl plugs at one end, other end stripped, All cords are 2-conductor except *3-conductor with 3-prong plug. All have black covers, except †brown. §gray. U.L. Listed. Shpg. wt., ¾ lb.

Stock No.	Type	Fig.	Lgth.	Gauge	EA.
50 N 925	17126S†	A	6 ft.	SP1 18	36¢
50 N 926	17129S†	A	9 ft.	SP1 18	42¢
50 N 927	17330S	A	10 ft.	SJ 16	80¢
50 N 928	17308S	A	8 ft.	SJ 18	60¢
50 N 929	17206S§	A	6 ft.	SV 18	55¢
50 N 930	17408S*	C	8 ft.	SJ 18	80¢

B **MODEL 8895 TV LINE CORD.** 6-ft. long with 2-conductor 18-gauge brown vinyl cord and plastic plug. 1 lb.
50 N 944.................... ....Each 37¢

D **HEAVY-DUTY EXTENSION CORDS.** Flexible 2-wire cords with vinyl plug, plastic connector. 17395S and 17397S ideal for yard extensions. Cover: *gray rubber, †black rubber. U.L. Listed.

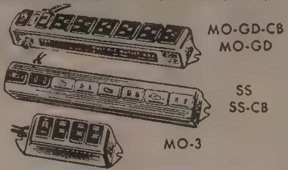
Stock No.	Type	Lgth.	Gauge	Lbs.	EA.
50 N 931	17270C*	20'	SV 18	1	1.12
50 N 932	17361S†	10'	SJ 16	1	.89

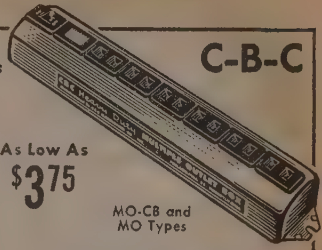
REPLACEMENT CORDS FOR HEATER-TYPE APPLIANCES. For 125 volts. Have rubber wall plugs, black neoprene covered and self-coiling (extend to 6 feet) except *asbestos cotton wrapping (7 feet). Types without appliance plugs have terminals for screws. †on-appliance end. ½ lb.

Stock No.	Type	Fig.	†Pin Spacing	A.	EA.
50 N 935	17886S	F	½", slotted	10	.97
50 N 936	17887S	F	1¹⁄₁₆", w/o slot	10	.99
50 N 937	17888S	F	1¹⁄₁₆"	15	1.07
50 N 938	17836S	G	None	10	.76
50 N 945	*17727S	E	None	15	.73

POPULAR MULTIPLE-OUTLET BOXES

Now Available with Circuit Breakers or Fuses





As Low As $\$3^{75}$

MO-CB and MO Types

Convenient, heavy-duty AC outlet boxes for the home, workbench, or lab. Each box is rated 15 amps at 115 volts. Complete with 10-ft. cord, on-off switches, and brown hammertone metal cases with mounting ears. Units with CB in Type No. have built-in pushbutton-reset circuit breaker in plug. GD in Type No. indicates 3-wire grounding-type outlets and plug; all others are 2-wire. MO types have pilot light. SS-CB and SS each have four individually switched outlets. All boxes are 13x2¼x1½", except MO-3, which is 5x2x1¼".

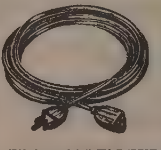
CIRCUIT-BREAKER TYPES

Stock No.	Mfr's Type	Outlets	Wt., Lbs.	EACH
51 N 197	MO-GD-CB	6	2¾	10.29
51 N 198	MO-CB	6	2¼	8.57
51 N 199	SS-CB	4	2¼	8.57

FUSED TYPES

Stock No.	Mfr's Type	Outlets	Wt., Lbs.	EACH
50 N 948	MO-GD	6	2¾	7.95
50 N 949	MO	6	2¼	6.25
50 N 950	SS	4	2¼	6.25
50 N 951	MO-3	3	1½	3.75

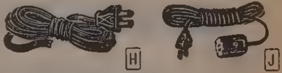
BELDEN 3-WIRE EXTENSION CORDS



Heavy-duty 3-wire cords—use with power tools, hedge trimmers, etc. Molded 3-prong plug and receptacle. U.L. Listed. Yellow.

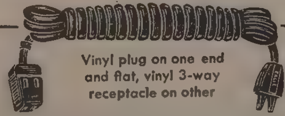
Stock No.	Length	Gauge	Lbs.	EACH
51 N 181	25 ft.	18	1½	1.96
51 NX 182	50 ft.	18	3	3.61
51 NX 183	100 ft.	18	6	6.38
51 N 184	25 ft.	16	2	2.27
51 NX 185	50 ft.	16	4	4.45
51 NX 186	100 ft.	16	8	7.84
51 N 187	25 ft.	14	4	4.70
51 NX 188	50 ft.	14	8	8.07
51 NX 189	100 ft.	14	15	15.45

ELECTRICAL CORD VALUES



H **6-FOOT REPLACEMENT CORD.** Ruggedly made, plastic-insulated 6-ft. cord firmly secured in sturdy molded plug on one end. Other end is stripped. Shpg. wt., 10 oz.
51 N 551. Ivory.................21¢
21 N 550. Brown.................21¢

J **6-FT. CUBE-TAP EXTENSION CORD.** 3-way extension tap. Rating, 15 amps at 125 v.; 10 amps at 250 v. With 6-ft. cord and bakelite plug cap. Brown. Shpg. wt., 14 oz.
52 N 605... ....EACH 37¢



Vinyl plug on one end and flat, vinyl 3-way receptacle on other

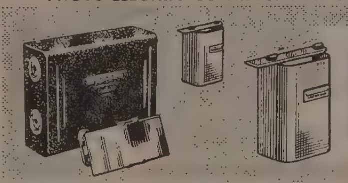
VINYL TRIPLE EXTENSION CORDS

- Will Not Break, Chip or Crack
- Resist Abrastion, Grease, Oil, Acid

Extremely durable, 2-wire vinyl-covered extension cords. No. 18 wire. Choice of 9 or 6-ft. lengths in brown or ivory.

Stock No.	Lgth.	Color	Wt.	EA.
51 N 232	9 ft.	Brown	4 oz.	41¢
51 N 233	9 ft.	Ivory	4 oz.	43¢
51 N 230	6 ft.	Brown	3 oz.	33¢
51 N 231	6 ft.	Ivory	3 oz.	36¢

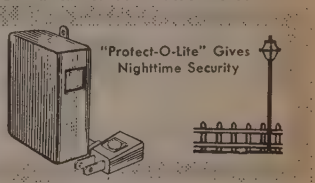
PHOTO-ELECTRIC CONTROLS FOR CONVENIENCE AND PROTECTION



WORNER "FOTOELECTRIC" OUTFIT

MODEL 61. Effective, low-cost way to achieve protection from burglars. Reliable, all-transistor design. When light beam is broken, warning chime sounds. Outfit consists of "Fotoelectric" unit, mirror and chime. Unit is placed three to ten feet from the mirror. Size, 8¼x6½x2¾". For 110-120 v., 50-60 cycle AC. Wt., 11 lbs.

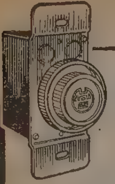
51 N 587. *$5 Monthly*............40.50
51 N 588. Extra Bulb. 5 oz.............66¢
51 N 589. Extra Chime. 2 lbs.........4.80



HANDY LAMP-LIGHT CONTROL

With "Protect-O-Lite" you can never "forget" to turn on the lights at night. Dependable photoelectric control automatically turns on lights at dusk, and shuts them off at dawn. Protects property while you're away, and offers convenient night lighting. Extremely easy to install—just place control near a window facing outside, natural light. Plug into outlet and plug lamp(s) into unit. Handles 600-watt loads. 3x2½x1". For 110-125 v., 50-60 cycle AC. 1 lb.
51 N 590........................ 7.99

Handy Home Electrical Accessories

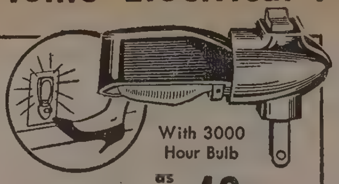


NEW!

HUNT ELECTRONIC DIMMER CONTROL

MODEL PC-6-1. Continuously variable dimmer control that lets you adjust intensity of room lighting for reading, watching TV, party atmosphere or restful relaxation. Turn knob to set or change light level; push knob to switch lights on and off without disturbing dimmer setting. Lengthens bulb life. Replaces standard 2-way switch; uses existing wall plate. Controls up to 600 watts of incandescent light; use with minimum of 100 watts. New silicon symmetrical design withstands current and inverse voltage surges. ½ lb.
51 N 526....................11.95

MODEL PC-6-1/3P. Above, but replaces 3-way switch. ½ lb.
51 N 527....................14.95



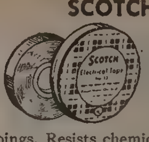
as low as **42¢**

TOUCH-A-MATIC NITE-LITE

Works on slightest contact—can be pushed, flipped or kicked. No bending or stooping for lights plugged into baseboard outlets. Perfect for night lighting of bedrooms, nurseries, hallways, stairways, bathrooms, basements and garages. Comes with long-life, 3000-hour bulb. Adjustable shade rotates 360°. 3½" long. For 115 v. AC. 4 oz.
50 N 904. Ivory............Each 44¢
50 N 905. Brown............Each 42¢

REPLACEMENT BULB. Shpg. wt., 4 oz.
8 E 548....................Each 22¢

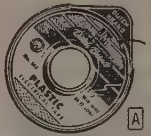
SCOTCH PLASTIC TAPE



TYPE 33. Plastic-backed electrical tape, .007" thick. Has 10,000 v. dielectric strength. Easily fits irregular surfaces for neat, compact wrappings. Resists chemicals, abrasion, oil, salt water and effects of weather. Av. wt., per roll, 6 oz.
52 N 613. ¾"x20'............Per Roll 47¢
51 N 512 ¾"x66'............Per Roll 1.28

TYPE 88. All-weather, 8.5-mil plastic-backed electrical tape. Makes splice wrapping extremely easy in cold weather, yet retains body for quick application at normal temperatures. Highly resistant to abrasion, oil, moisture, flame and weathering effects. Wt., per roll, 6 oz.
52 N 700. ¾"x66'............Per Roll 1.49

DUTCH BRAND ELECTRICAL TAPE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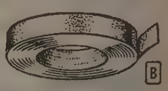

B

FRICTION TAPE. (not illus.) Standard-width tapes for radio, electrical, home and shop uses. Tough fabric base resists abrasion and weathering. Wt., 7 oz.
52 N 610. ¾"x13'............Per Roll 15¢
51 N 486. ¾"x30'............Per Roll 27¢
52 N 612. ¾"x68'............Per Roll 52¢
52 N 620. ⅜"x60'............Per Roll 25¢

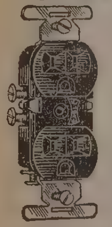
A **PLASTIC TAPE.** Strong black vinyl tape in plastic dispenser for one-motion "tape and tear" action. Tape end pops up, ready for next splice. Conforms to irregular surfaces; resists corrosion and weathering. Wt., 6 oz.
52 N 614. ¾"x44' ....Per Roll 86¢

COLD WEATHER PLASTIC TAPE. (not illus.) Special black vinyl tape for splicing in temperatures down to −18°C. In plastic dispenser (sim. to Fig. A). Resists acid, corrosion, moisture, flame and oil. 6 oz.
51 N 532. ¾"x20'............Per Roll 52¢
51 N 533. ¾"x60'............Per Roll 1.24

B **FLATBACK MASKING TAPE.** Handles a variety of protecting, splicing, holding and reinforcing jobs. Corrosion and moisture resistant. Av. wt., 12 oz.
51 N 534. ½"x180'..............75¢
51 N 535. ¾"x180'..............91¢
51 N 536. 1"x180'..............1.16
51 N 537. 2"x180'..............2.32

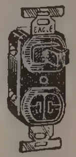
NEW!

EAGLE OUTLETS AND SWITCHES



E-Z WIRE DUPLEX WALL OUTLET

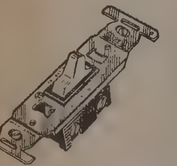
Parallel ground, 3-wire type outlet. Can be quickly and easily wired by pressure terminals or by screws. Break-off terminals for linking 2 separate circuits. Rated 15 amps @ 125 v. U.L. Listed. Takes #12 or 14 wire. 2$\frac{9}{32}$" deep. Shpg. wt., 5 oz.
50 N 825. Ivory............Each 39¢
50 N 826. Brown............Each 39¢



2-WAY LIGHT SWITCH WITH WALL OUTLET

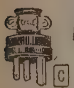
Convenient combination of 2-way light switch and U-ground wall outlet. Outlet accommodates 3-wire grounded appliances; can be wired to be controlled by switch, or to operate independently of switch on same circuit. Switch rating: 10 amps @ 125v.; 5 amps @ 250 v. Outlet rating: 15 amps @ 125 volts. Shpg. wt., 5 oz.
51 N 530. Brown....................1.05
51 N 531. Ivory....................1.15

LOW-BUDGET 2-WAY RESIDENTIAL QUIET SWITCH



Inexpensive toggle switch featuring smooth, quiet action—no effort at all to flip the switch . . . no loud "click" when you turn it on or off. Fast and easy to install, too. Has screw terminals and E-Z wire pressure terminals, plus extra common terminal connections for continuous wiring. Takes #12 or #14 wire. Has plaster ears. Rated at 15 amps @ 120 v. U.L. Listed. Shpg. wt., 3 oz.
51 N 528. Brown..............................29¢
51 N 529. Ivory..............................32¢

VALUES IN SELECTED HOME ELECTRICAL ACCESSORIES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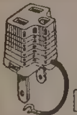
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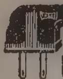
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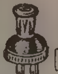
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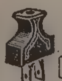
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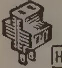
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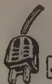
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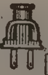
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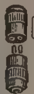
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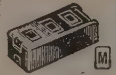
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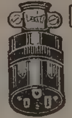
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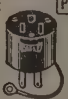
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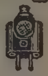

R

C **PARALLEL GROUND PLUG.** Sturdy rubber, with U ground and cable clamp. 1½" dia. Cord hole: .450". Rated at 15 amps @ 125 v. U.L. Listed. Wt., 3 oz.
51 N 513....................Each 42¢

D **PARALLEL GROUND ADAPTER.** Lets you use 3-wire grounded appliances in 2-way outlets. Gray vinyl. With grounding lead and "C" lug. Wt., 3 oz.
51 N 514....................Each 20¢

E **FLAT RUBBER SIDE-OUTLET PLUG.** Has side outlet for wire; prongs molded into vinyl; insulated binding screws. 15 amps @ 125 v. U.L. Listed. Wt., 4 oz.
51 N 538....................Each 15¢

F **RUBBER-HANDLE PLUG.** Unbreakable soft rubber. Approved for power tools. U.L. Listed. Shpg. wt., 4 oz.
51 N 539....................Each 9¢

G **BAKELITE PLUG.** Brown. 1$\frac{7}{16}$" dia. U.L. Listed. Shpg. wt., 4 oz.
51 N 540....................Each 8¢

H **RUBBER TUBE CAP.** Spring-action, 3-way outlet. U.L. Listed. 6 oz.
51 N 541....................Each 21¢

J **JIFFY AUTOMATIC PLUG.** Just insert wire through cap, needles make connection. For POSJ cable only. U.L. Listed. 5 oz.
51 N 542....................Each 8¢

K **FLAT RUBBER PLUG.** Non-breakable rubber cap for multiple AC outlets similar to Fig. M. U.L. Listed. 5 oz.
51 N 543....................Each 12¢

L **MORSE MIDGET CORD-CONNECTOR SET.** Plug and receptacle, 2-contact pull-apart type. Knurled edges. Has $\frac{9}{16}$" diameter. Shpg. wt., 2 oz.
52 N 626....................Per Set 59¢

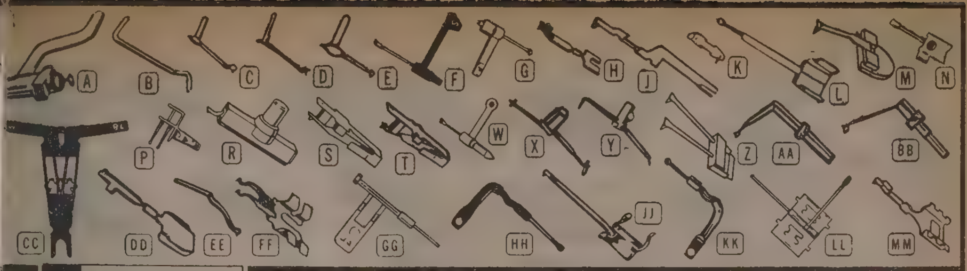
M **ACADEMY 3-WAY OUTLET.** Takes up to 3 standard 2-conductor plugs. Plastic. U.L. Listed. Wt., 8 oz.
51 N 545 Mahogany............Each 18¢
51 N 544. White...............Each 22¢

N **RUBBER LINE-CORD RECEPTACLE.** U ground type with cable clamp. 1¼" dia. U.L. Listed. 3 oz.
52 N 603....................Each 26¢

P **PARALLEL GROUND ADAPTER.** Permits use of 3-wire grounded appliances in 2-way outlets. With grounding lead and lug. U.L. Listed. Wt., 3 oz.
52 N 669....................Each 22¢

R **FUSED PLUG.** AC plug designed to take 2—3AG fuses (not supplied). Easily interchangeable. U.L. Listed. 3 oz.
52 N 648....................Each 37¢

Let Allied Satisfy All Your Home Electrical Needs



KNIGHT Diamond Phonograph Needles Only $1 69 Each

ılacement needles made by a famous U.S. mfr. to Allied's exacting ıcs. Crafted from whole diamonds. Some have twin tips (one diamond, s one sapphire for 78-rpm records). Type suffixes: XD—single-diamond stereo tip; XSD—sapphire and stereo diamond tips; LPD—long-playing diamond monophonic tip; SD—sapphire and diamond, both monophonic; D—diamond, monophonic; X—stereo. 2 oz.

FOR ASTATIC CARTRIDGES

tock No.	Type	Fig.	Fit Cartridge No.	EACH
R 644	A-68SD	A	57-T Series	1.69
R 658	A-74LPD	B	51, 53, 59, 402	
R 645	A-75LPD	C	ACD Series; 40, 41	
R 657	A-67LPD	D	64, 66, 68, 94, 405, 406	
R 646	A-81LPD	E	CAC-D; LQD; 44TB; 44-2; 46-2; and 62TY	1.69
R 742	A-90XSD	F	17; 17D	
R 501	A-94XSD	G	133; 133D	
R 669	CRA-55XD	H	70 Series; 80 Series	

FOR BSR CARTRIDGES

R 669	CRA 55XD	H	TC-8S, H Series	1.69

FOR CBS CARTRIDGES

R 671	CS-1XD	J	SC-1, 2, 7, 8	1.69

FOR DUAL CARTRIDGES

R 744	DU-13XSD	K	CS-73	1.69

FOR ELECTRO-VOICE CARTRIDGES

R 667	E-98XD	L	21, 26	1.69
R 510	E 10XSD	G	117 131, 148	
R 514	E-15XSD	G	132; 132D	
R 518	E-16XSD	G	149; 149D	

FOR EUPHONIC CARTRIDGES

R 614	J-47XD	M	E Series	1.69
R 752	J-57XD	N	U-1 Series; U-2 Series	
R 508	EU-IXSD	P	U-8; Admiral Ensign	

FOR G.E. CARTRIDGES

81 R 642	G-19XD	R	VR-227	1.69
81 R 643	G-20XD	R	VR-225	
81 R 523	G-1D	S	RPX Series	
81 R 601	G-4D	T	4G Series; VR II	
81 R 502	G-21XSD	W	C-100	
81 R 507	G-22XSD	W	C-200	

FOR MAGNAVOX CARTRIDGES

Stock No.	Type	Fig.	For Cartridge No.	EACH
81 R 648	M-50SD	X	560133, 151, 158, 169, 170	1.69

FOR PHILCO CARTRIDGES

81 R 660	PH-13SD	Y	76-4648, 4649; 325-8023, 8024	1.69

FOR RCA CARTRIDGES

81 R 622	M-77XSD	Z	106770A, 106771A	1.69
81 R 652	M-70LPD	AA	74067	
81 R 653	M-74LPD	BB	75475, 77779, 75575	
81 R 753	M-80XSD	CC	110020, 110021	

FOR RONETTE CARTRIDGES

Stock No.	Type	Fig.	Fit Cartridge No.	EACH
81 R 649	CRA-55LPD	H	All Ronette Monaural; Astatic; BSR	1.69
81 R 602	CRA-57LPD	DD	DC-122, 422, 500	
81 R 665	CRA-57XD	DD	P-105, 106; BF-40; Ronette Stereo; Admiral Ensign	

FOR SHURE CARTRIDGES

Stock No.	Type	Fig.	Fit Cartridge No.	EACH
81 R 650	JPS-30LPD	EE	P-30, 72, 76, 77, 79; PC Series	1.69
81 R 651	JPS-36SD	FF	PC-2, 3, 4, 5; P 7, 8, 9; Wt-9, 10	1.69

FOR SONOTONE CARTRIDGES

81 R 746	S-80XSD	GG	18T Series	1.69
81 R 747	S-82XSD	GG	9T; 916T; 16T; Adm. Ensign	
81 R 620	S-71XSD	HH	8T; A Series	
81 R 654	S-60LPD	JJ	3P Series	
81 R 655	S-61SD	KK	3T Series	
81 R 656	S-66SD	KK	2T, 5T, and 7T Series	

FOR TELEFUNKEN CARTRIDGES

81 R 750	TE 19XSD	LL	T-20; T-20DS	1.69

FOR VACO CARTRIDGES

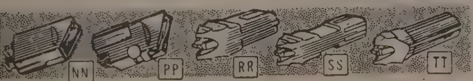
81 R 669	CRA-55XD	H	ST-20; ST-40; ST-200	1.69
81 R 611	VA-29LPD	MM	TN-45	

KNIGHT SAPPHIRE REPLACEMENT NEEDLES

tock No.	Type	No.	Fig.	For Cartridge No.	EA.
81 R 730	Astatic	A-90X	F	17 Stereo	1.38
81 R 668	Astatic	CRA-55X	H	70TS, 80TS Series Stereo	.98
81 R 668	B.S.R.	CRA-55X	H	TC-8; H Series Stereo	.98
81 R 519	E.V.	E-10X	G	117, 131, 148 Stereo	.98
81 R 666	E.V	E 98X	L	21, 26 Series Stereo	.98
81 R 613	Euphonic	J-47X	M	E Series Stereo	.98
81 R 741	Euphone	J-57X	N	U-1, U-2 Stereo	.98
81 R 515	G.E.	G-1	S	RPX, RPJ Series	.98
81 R 636	G.E.	G-4	T	4G Series; VR II	.98
81 R 527	G.E.	G-21X	W	C-100 Stereo	.98
81 R 621	R.C.A.	M-77X	Z	106770A, 106771A Stereo	1.19

Stock No.	Type	No.	Fig.	For Cartridge No.	EA.
81 R 583	Ronette	CRA-55LP	H	All Ronette Mono; Astatic, B.S.R. types	.98
81 R 664	Ronette	CRA-57X	DD	P-105, 106; Ron' Stereo	.98
81 R 599	Shure	JPS-30LP	EE	P-30, 72, 76, 77, 79; all PC	.98
81 R 547	Sonotone	S-61	KK	3T Series	1.19
81 R 550	Sonotone	S-66	KK	2T, 5T, 7T Series	1.19
81 R 619	Sonotone	S-71X	HH	8TA Series Stereo	1.19
81 R 734	Sonotone	S-82X	GG	9T, 916T, 16T Stereo	1.38
81 R 668	VACO	CRA-55X	H	ST-20, ST-40, ST-200 Stereo	.98
81 R 517	VACO	VA-29LP	MM	T-45 S-45	.98

NEEDLE-CARTRIDGE COMBINATIONS



PLUG-IN NEEDLE-CARTRIDGES. For Zenith "Cobra Arm."

Stock No.	Type No.	Zen. Type	Fig.	Stylus	EACH
81 R 631	S-15780	Z-62	NN	Sapphire	1.88
81 RC 693	S-15780	Z-62D	NN	Diamond	7.95
81 R 632	S-15222	Z-61	NN	Sapphire	1.88
81 RC 694	S-15222	Z-61D	NN	Diamond	6.60
81 R 633	142 72	Z-65	PP	Sapphire	2.68
81 RC 695	142-72	Z-65D	PP	Diamond	7.95
81 R 634	142 71, 142-74	Z-64	PP	Sapphire	2.68
81 RC 696	142-71, 142-74	Z-64D	PP	Diamond	7.95
81 R 635	142 76, 142 77	Z-59	PP	Sapphire	3.98
81 RC 697	142-7o, 142-77	Z-59SD	PP	Diamond	8.95

DIAMOND PLUG-IN NEEDLE-CARTRIDGES

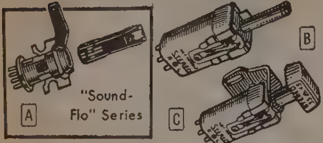
Stock No.	Type	Fig.	Replaces	EACH
81 R 606	A-41SD	SS	Astatic 81TX	4.49
81 R 610	A-43SD	SS	Astatic 89TX	4.49
81 RC 689	A-44XSD	SS	Astatic 13TX Stereo	4.95
81 R 625	E-36SD	TT	E.V. 56DS	4.49
81 R 627	E-37SD	RR	E.V. 76DS	4.49
81 RC 690	E-46XSD	TT	E.V. 66DS Stereo	4.95

SAPPHIRE PLUG-IN NEEDLE-CARTRIDGES

81 R 623	A-41	SS	Astatic 81T	1.88
81 R 609	A-43	SS	Astatic 89T	1.88
81 R 615	A-44X	SS	Astatic 13T Stereo	3.49
81 R 624	E-36	TT	E.V. 56	1.88
81 R 626	E-37	RR	E.V. 76	1.88
81 R 618	E-46X	NN	E.V. 66 Stereo	2.99

Low-Cost Replacement Phono Cartridges

PHONO CARTRIDGES TURNOVER STEREO



A "SOUND-FLO" PLUG-IN CARTRIDGES. Consist of holder and plug-in ceramic cartridge/needle combination. Offer high output and wide response. In Type No., suffix X indicates .0007D/.003S. Suffix 7 indicates. 0007S/.0007S. All others have .0007S/.003S needles. Suffix B indicates with mounting bracket. 3 oz.

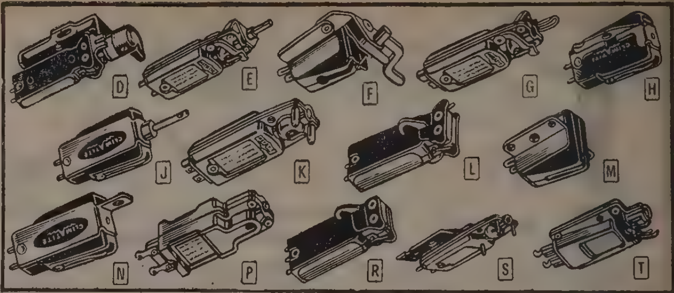
Stock No.	Type	Replaces	EACH
81 R 316	11T7	7,10	4.09
81 R 255	11T7B	15	4.67
81 R 270	13AT	3,11	4.67
81 RC 369	13ATX	3	8.20
81 R 257	13T	3,7,8,10,11	4.09
81 R 256	13TB	3,7,10,11,15	4.67
81 R 258	13TBX	7,11,15	7.02
81 R 259	13TX	3,7,8,10,11	6.44

SERIES 70. Crystal cartridges replace types used by manufacturers listed below. Suffix D indicates .0007D/.003S needles. All others have .0007S/.003S needles. Suffix B indicates mounting bracket supplied. 3 oz.

Stock No.	Type	Fig.	Replaces	EACH
81 R 229	70D	B	13	7.19
81 R 315	70TS	B	1,3	4.26
81 R 235	80TS	B	6,12,14	4.36
81 R 314	74TS	B	1	4.26
81 R 313	76TSB	C	5,6	4.67

SERIES 17. Not illus. Ceramic cartridges provide excellent 20-20,000 cps response. Channel separation is 25 db. Track at 3 grams. Output is .35 volts. In Type No., suffix D indicates .0007D/.003S. Other type is .0007S/.003S. 4 oz.

Stock No.	Type	Replaces	EACH
81 RC 355	17	2,7,15	6.91
81 RC 356	17D	2,7,15	9.27



REPLACEMENT CODE

In "Replaces" column in Tables, below, the numbers stand for manufacturers as follows:

1. ASTATIC
2. RCA
3. V-M
4. WEBSTER
5. RONETTE
6. DELMONICO
7. E-V
8. PHILCO
9. MAGNAVOX
10. ADMIRAL
11. WEBCOR
12. DYNAVOX
13. PHONOLA
14. BSR
15. SONOTONE

MONOPHONIC TURNOVER TYPES

Crystal. For 78, 45, 33⅓ and 16⅔-rpm records. Sapphire needles: .001″ for microgroove; .003″ for 78-rpm records, *Ceramic—all others Rochelle-salt crystal. †Subminiature. ‡Less bracket. Av. wt., 4 oz.

Stock No.	Type	Fig.	Replaces	EA.
81 R 219	40-T	L	2,3,4,10,5	4.09
81 R 241	40-TB	D	4,10,2,7	4.97
81 R 212	55-T	F	2,3,8,7,9	4.67
81 R 252	57-T*	F	1	5.59
81 R 240	62-TY	G	1	4.67
81 R 766	64-TS‡	E	5,3	4.09
81 R 223	66-TS	G	4,3	4.26
81 R 253	66-TY‡	G	1	3.82
81 R 209	118-TS†	J	3	3.79
81 R 210	120-TS†	J	3	3.79
81 R 200	310-T‡	H	3	3.20
81 R 201	312-TS	J	2,7,3	3.79
81 R 301	314-TS‡	J	2,7,3	3.20
81 R 269	316-TS	J	1	3.50
81 R 302	406‡	G	4 (F-22)	4.67
81 R 303	409*	F	9	5.59
81 R 220	410	T	2 (75475)	3.82
81 R 202	420-TS-TB	J	3,10,5,8,9	3.20
81 R 203	422-TS-TB	J	4,9,8,7,3,5	3.50
81 R 204	424-TS‡	J	4	3.82
81 R 304	426-TS‡	J	4 (A-204)	4.41

ALL-GROOVE CARTRIDGES

.002″ sapphire needle, except †.002″ osmium for mono records. §Less needle—screw-type chuck for standard needle. *Moisture resistant; ceramic. Others Rochelle-salt. Shpg. wt., 4 oz.

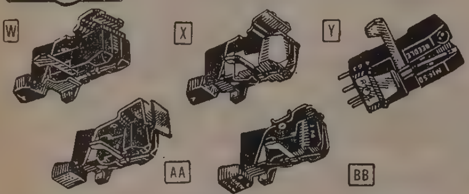
Stock No.	Type	Fig.	Replaces	EACH
81 R 250	16§	K	2, 4	2.32
81 R 234	22§	K	2, 4	2.32
81 R 213	28§	P	8, 2	2.32
81 R 243	40-2	R	5, 2	3.82
81 R 251	51-2*	M	2, 5, 9	4.35
81 R 224	66-2†	K	4	2.91
81 R 305	106§	S	4	2.91
81 R 205	310-2	N	1	2.91
81 R 307	414-2	H	5	2.62

MONOPHONIC LP TYPES

Crystal, except * ceramic—heat, humidity resistant. .001″ sapphire for 45, 33⅓ rpm records. Needle pressure 10 grams, except ‡8 grams; Av. wt., 4 oz.

81 R 238	51-1*	M	2, 4, 5, 7	4.35
81 R 217	62-1	T	5	2.91
81 R 268	310-1‡	N	1	2.91
81 R 244	408	T	2	2.62
81 R 206	414-1‡	H	2, 5, 8, 9	2.62

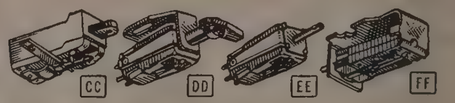
NEW "MAGNA-FLO" FLOATING REPLACEMENT CARTRIDGES



Meet standards specified for original equipment. Use exclusive "Magna-Flo" principle—opposing magnets act as a spring. Easy to install, no springs to adjust. Just connect leads and fasten cartridge to arm with one screw. Type 135DA is low impedance. 4 oz.

Stock No.	Type	Fig.	Replaces	EACH
81 RC 440	217D	W	Garrard 70492; Sylvania 11-14161-11	10.44
81 RC 441	233D	X	Sylvania 11-14161-1; VM 30085C	9.26
81 RC 442	17DA	Y	Admiral 409C55-1, 409C55-3	10.14
81 RC 443	135DA	Y	Admiral 409C56-1	11.02
81 RC 444	481	AA	Zenith 142-126	5.88
81 RC 445	481D	AA	Zenith 142-127	8.82
81 RC 446	479D	BB	Zenith 142-128	8.82

ELECTRO-VOICE CRYSTAL AND CERAMIC REPLACEMENT PHONOGRAPH CARTRIDGES

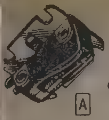


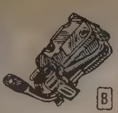
*Crystal; †ceramic Shipg. wt., 4 oz.

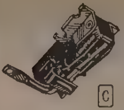
Stock No.	Type	Fig.	Replaces	EACH
81 R 372	26†	FF	Euphonics E-1, Euphonics U-1	6.17
81 R 373	26D†	FF	Euphonics E-2, Euphonics U-2	9.70
81 R 387	96*	DD	Ronette 208	4.67
81 R 388	98*	EE	Ronette 106-1	4.26
81 R 389	97*	EE	Ronette 105-1	4.41
81 R 390	95*	DD	Ronette 105	5.00
81 R 393	141D†	CC	Telefunken T200DS	9.12
81 R 394	141†	CC	Telefunken T200	6.22
81 R 395	141*	CC	Telefunken T20	6.22
81 R 397	141D*	CC	Telefunken T20/DS	9.12
81 R 607	95*	DD	Vaco ST-2	5.00
81 R 608	98*	EE	Vaco ST-4	4.26
81 R 616	97*	EE	Vaco ST-20	4.41
81 R 617	96*	DD	Vaco ST-45	4.67

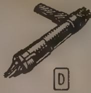
See Page 417 for Replacement Stereo and Monophonic Needles

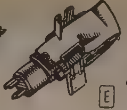
Stereo and Monophonic Cartridges by SONOTONE®

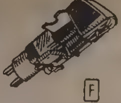


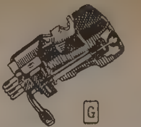


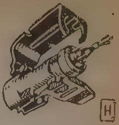












A wide variety of stereo and monophonic phonograph cartridges for use in replacement and original equipment applications. Ceramic elements protect against harmful and distortion-causing heat and moisture, also prevent hum pickup. Require no preamp or equalization. High-compliance needle assemblies assure precise tracking and low record wear. In tables below, "S" indicates sapphire, "D" diamond. Wt., 3 oz.

MONOPHONIC CARTRIDGES

ll are turnover except Series 1P. Provide 1-volt output except ype 3T-S, 0.5 volt. For ½″ to ⅝″ mounting centers except *less racket for narrow pickup arms.

A SERIES 1P CARTRIDGES

Stock No.	Type	Needles	EACH
81 R 306	1P-1S	.001S	2.85
81 R 308	1P-2S	.002S	2.85
81 R 309	1P-3S	.003S	2.85
81 R 317	1P-1D	.001D	5.59
81 R 335	1P-3D	.003D	4.47
81 R 336	1P-LB-1S	.001S	2.85
81 R 337	1P-LB-2S	.002S	2.85
81 R 338	1P-LB-3S	.003S	2.85
81 R 339	1P-LB-1D	.001D	4.47
81 R 340	1P-LB-3D	.003D	4.47

B SERIES 2TA CARTRIDGES

81 R 248	2TA-S	.0007S/.003S	3.62
81 RC 358	2TA-SD	.0007D, .003S	6.00
81 R 247	2TA-LB-S*	.0007S/.003D	3.62
81 R 341	2TA-LB-SD*	.0007D/.003S	5.24

C SERIES 3T WIDE-RANGE CARTRIDGES

81 RC 360	3T-S	.001S/.003S	4.56
81 RC 362	3T-SD	.001D/.003D	7.29
81 R 342	3T-LB-S*	.001S/.003S	4.57
81 R 343	3T-LB-SD*	.001D/.003S	6.18

STEREOPHONIC TURNOVER CARTRIDGES

Feature low distortion, excellent response, high channel separation, and high compliance. Have ½″ and ⅝″ mounting centers except Series 8TA4, .7/16″ centers. Av. wt., 4 oz.

G SERIES 8TA4 CARTRIDGES 0.3-v. output.

Stock No.	Type	Needles	EACH
81 RC 392	8TA-4S	.0007S/.003S	5.13
81 RC 405	8TA4-S-77	.0007S/.0007S	5.13
81 RC 414	8TA4-SD	.0007D/.003S	7.64

E SERIES 9TAFHC CARTRIDGES 0.3-v. output.

81 RC 447	9TAFHC-S	.0007S/.003S	5.45
81 RC 448	9TAFHC-SD	.0007D/.003S	7.12
81 RC 449	9TAFHC-D77	.0007D/.0007D	7.70
81 RC 450	9TAFHC-SDV	.0007D/.003S	11.91
81 RC 451	9TAFHC-D77V	.0007D/.0007D	14.25

D SERIES 10T PLUG-IN CARTRIDGES 0.5-v. output.

81 R 261	10T2-S	.0007S/.003S	4.17
81 RC 363	10T2-SD	.0007D/.003S	6.45
81 R 262	10T2-S77	.0007D/.0007D	4.17
81 RC 365	10T2-SD77	.0007D/.0007S	6.45

H SERIES 12T CRYSTAL CARTRDIGES 2.5-v. output.

81 R 273	12THRS	.0007S/.003S	3.44
81 R 274	12THRS-77	.0007S/.0007S	3.44

F SERIES 16TAF SONO-FLEX CARTRIDGES 0.5 v output.

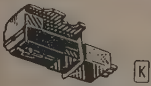
81 R 328	16TAF-S	.0007S/.003S	3.82
81 R 329	16TAF-SD	.0007D/.003S	6.17
81 R 330	16TAF-S77	.0007S/.0007S	3.82

F SERIES 18TAF-S CARTRIDGES 0.5-volt output.

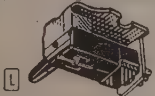
81 R 346	18TAF-S	.0007S/.003S	3.53
81 R 347	18TAF-S77	.0007S/.0007S	3.53
81 R 348	18TAF-SD	.0007D/.003S	5.14

CERAMIC REPLACEMENT PHONOGRAPH CARTRIDGES

Electro-Voice



TURNOVER CERAMIC CARTRIDGES

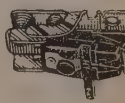


SERIES 20 STEREO CARTRDIGES

High channel-separation. .7/16″ to ½″ mtg. centers. 3 oz.

Stock No.	Type	Fig.	Styli	Output	EACH
81 RC 403	21*	L	.0007S	500 mv	5.59
81 RC 413	21D*	L	.0007D	500 mv	8.82
81 RC 402	22*	K	.0007S	20 mv	7.35
81 RC 425	22D*	K	.0007D	20 mv	10.58
81 RC 401	26	L	.0007S/.003S	500 mv	6.17
81 RC 435	26D	L	.0007D/.003S	500 mv	9.70
81 RC 399	27	K	.0007S/.003S	20 mv	7.94
81 RC 406	27D	K	.0007D/.003S	20 mv	11.57

"FEATHERIDE" CERAMIC STEREO CARTRIDGES



- Play Stereo or Monophonic Discs
- Cartridge and Mount Included

Protect your prized stereo and monophonic records, and hear glorious high-fidelity sound reproduction. Ingenious cartridges offer all the advantages of the most modern electro-mechanical design. Damage to the stylus and record is eliminated. Reduce distortion caused by warped records; have uniform response for outstanding playback. Excellent channel separation and extremely high compliance. Both types have .0007″ diamond, and .003″ sapphire styli. Fit any modern phonograph using a ceramic cartridge with standard 7/16″ or ½″ mounting centers. Frequency Response; 20-20,000 cps. Wt., 3 oz.

81 RC 404. Model 149F. Tracking Force 2 4 grams.... 10.29

81 RC 416. Model 150F. Tracking Force 4-6 grams. 10.29

ELECTRO-VOICE "POWER POINT" STEREO CARTRIDGES

Top-quality units offer high channel separation and compliance, wide response. Require holding mechanism listed at right.

In Needles column, .7S indicates .0007″ sapphire, .3S indicates .003″ sapphire, D indicates diamond. Shpg. wt. 2 oz.

SERIES 10 CARTRIDGES

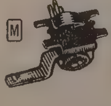
Stock No.	Type	Fig.	Needles	EACH
81 RC 452	11	R	.7S/.7S	4.09
81 RC 453	11D	R	.7D/.7S	6.44
81 RC 454	13	R	.7S/.3S	4.09
81 RC 455	13D	R	.7D/.3S	6.44

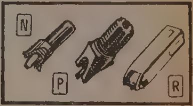
SERIES 60 CARTRIDGES

Stock No.	Type	Fig.	Needles	EACH
81 RC 456	61	N	.7S/.7S	3.50
81 RC 457	61D	N	.7D/.7S	7.62
81 RC 458	66	N	.7S/.3S	3.50
81 RC 459	66D	N	.7D/.3S	7.62

SERIES 100 CARTRIDGES

81 RC 460	101	P	.7S/.7S	3.50
81 RC 461	101D	P	.7D/.7S	7.62
81 RC 462	106	P	.7S/.3S	3.50
81 RC 463	106D	P	.7D/.3S	7.62
81 RC 464	107	P	.7S/.7S	3.50
81 RC 465	107D	P	.7D/.7S	7.62
81 RC 466	108	P	.7S/.3S	3.50
81 RC 467	108D	P	.7D/.3S	7.62
81 RC 468	108V	P	.7S/.3S	3.50
81 RC 469	108DV	P	.7D/.3S	7.62



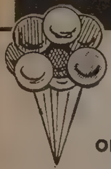


M HOLDING MECHANISMS

Av. shpg. wt., 2 oz.

Stock No.	Type	For Models	EACH
81 R 349	PT-9	11, 11D,13,13D	59¢
81 R 352	PFT-3	61, 61D	59¢
81 R 353	PT-3	66, 66D	59¢
81 R 357	PT-4	101, 101D	59¢
81 R 361	PT-5	106, 106D	59¢
81 R 364	PT-6	107, 107D	59¢
81 R 371	PT-7	108,108D,V,DV	59¢

Allied's Own Knight Fringe VHF Antennas

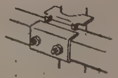


Every antenna
on this page boasts
3 big "plus" features...

SHARPER COLOR OR BLACK & WHITE

Today's TV sets are more sensitive, better built than ever. But, in a fringe area, you'll never see TV at its best unless the *proper antenna* is installed. These Knight antennas are specially engineered for "fringe pulling power" . . . the kind of signal pulling power needed to bring out the best in any TV set—color or black-and-white.

"NO-TILT" SADDLE BRACKET

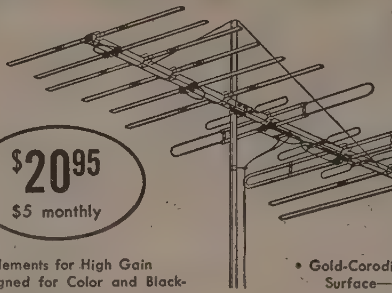


Assures you of perfect horizontal boom alignment and easy, no-tilt installation. All antennas come completely preassembled. There's no critical aligning or fitting to do—it has already been done for you!

POWERFUL "DUO-TWIN" DRIVE

Two half-wave dipoles are twin-driven on channels 2-6, two 3-element colinear dipoles are twin-driven on channels 7-13. You get performance equal to six half-wave driven elements!

4-STAR EXTRA HEAVY DUTY DEEP-FRINGE ANTENNA



ANTENNA BOOM SUSPENSION RODS

$20⁹⁵
$5 monthly

★★★★
RANGE UP TO
150 MILES

- 26 Elements for High Gain
- Designed for Color and Black-and-White Reception
- Gold-Corodized Finish Protects Entire Antenna Surface—Including Vital Contact Points
- Due to Suspension Rods, 7'9" Boom Will Not Sag

Allied's most popular high-gain twin-driven VHF antenna. Equals or surpasses the performance of many higher priced arrays. Provides superior reception in color or black-and-white. Has 21 elements for channels 7-13, and 5 elements for 2-6 to assure extremely high sensitivity and directivity. Sharpens picture, helps prevent "ghosts." Rugged all-aluminum construction withstands strong winds, storms, heavy icing.

Gold-corodized finish (even on the brackets) offers amazing resistance to weather corrosion, and considerably lengthens antenna's life. Since corodizing acts as a conductor, it does not have to be removed at contact points (unlike anodizing which acts as an insulator). Corodizing does not obstruct, but rather enhances current flow—another "plus" for fringe-area reception. Sagproof suspension system features a compact, heavy-duty 1-inch-square boom with sturdy bracing rods that increase overall boom strength by 8 times. "Snap-out" construction makes assembly surprisingly simple—just swing the elements into place, then tighten, that's all. "No-tilt" saddle bracket assures perfect horizontal mounting of boom. Heavily reinforced sleeve elements at point of snap-out action give extra protection against effects of high winds, etc. Less mast and 300-ohm twin line. 8½ lbs. Shipped truck or express.

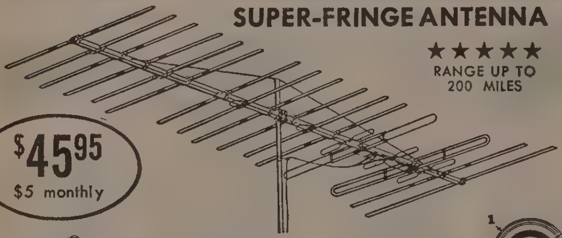
91 CZ 331-G. *$5 Monthly*........**20.95**

NONCORODIZED ANTENNA

Same deep-fringe antenna as above, but not gold corodized. Shpg. wt., 8½ lbs. Shipped truck or express.

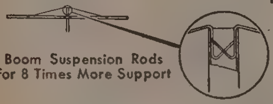
91 CZ 332-G....................**18.50**

5-STAR EXTRA HEAVY DUTY SUPER-FRINGE ANTENNA

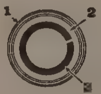


★★★★★
RANGE UP TO
200 MILES

$45⁹⁵
$5 monthly



Boom Suspension Rods for 8 Times More Support



TRIPLE-TAPER ELEMENTS

1. Triple at Stress Ends
2. Double at Center
3. Single at Ends

- 40 Elements and Duo-Twin Drive for Remarkably Increased Gain
- For Color or Black-and-White TV
- Split Boom—13' Long and 1" Square
- Gold-Corodized for Much Longer Life
- Reinforced with Triple U-Bolt Saddles

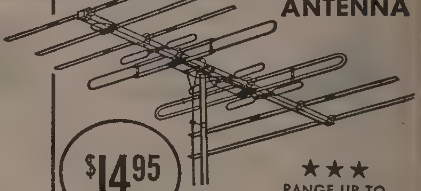
Even in deepest fringe areas, you can receive high-quality pictures with this super-powered 40-element antenna. 33 elements for channels 7-13, and 7 for 2-6 provide outstanding gain. "Duo Twin Drive" gives performance equal to that of SIX half-wave driven elements. And, here's why it resists high winds, icing, and storms: split boom reinforced with triple U-bolt saddles; tough "no-tilt" bracket; suspension rods for 8 times ordinary support; triple-tapered elements with 3-wall thickness at bracket end. Gold-corodized to resist corrosion. Less mast and 300-ohm twin line. 15½ lbs. Shipped truck or express.

92 CU 267-G. *$5 Monthly*..................................**45.95**

STACKING KIT

92 CX 079-G. For stacking two 5-star super-fringe antennas in order to obtain even greater gain in extreme fringe areas. Shpg. wt., ½ lb.................**1.47**

3-STAR FRINGE-AREA ANTENNA



$14⁹⁵

★★★
RANGE UP TO
100 MILES

- 19 Elements—15 on High Band, 4 on Low for "Pull-In" Power
- 5'10" Boom
- Excellent for Color or Black-and-White
- Extra Heavy Duty Construction

For superior fringe-area reception. Multiple directors and dual reflectors provide high front-to-back ratio, increased sensitivity, extra-sharp directivity on channels 2-13. Gold corodizing resists corrosion. "No-tilt" saddle bracket. One-inch-square boom for maximum strength against heavy icing, strong winds. Less mast, 300-ohm twin line. 7 lbs. Shipped truck or express.

91 CU 333-G.......................**14.95**

91 CU 334-G. Noncorodized Antenna. Same as above, but noncorodized. 7 lbs.........**13.95**

3 AND 4-STAR STACKING KITS

91 CX 335-G. Gold-Corodized Type. For 2 corodized antennas. ½ lb....**1.47**

91 CX 336-G. Noncorodized Type. For 2 noncorodized antennas. ½ lb....**1.18**

New Knight 82-Channel TV Plus FM Antennas

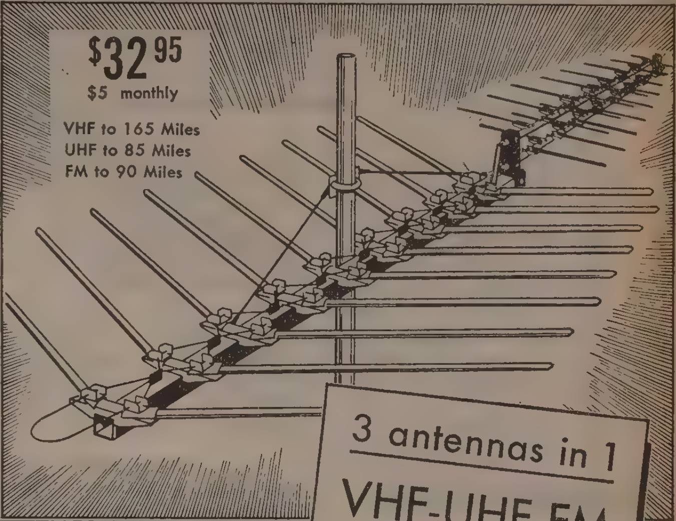
"KNIGHT MK 24" HEAVY DUTY DEEP-FRINGE ANTENNA

- For Color and Black-and-White
- Plenty of Pulling Power
- 11′ 3″ Square Boom
- Twenty-Four Driven Elements
- Only One Down Lead Required
- Solid-Rod Suspension Bracing
- Protective Gold-Corodized Finish

nstall one antenna, not three! Save dol-rs, cut installation time, and avoid an-enna "clusters" on the roof. Even in problem areas you get high gain and flat esponse for improved FM, sharp color or black-and-white pictures on VHF channels 2-13, and on UHF channels 14-83. Protected by gold-corodized finish—fter many other antennas are weather worn, this antenna will still be in good condition.

Bracing supports 1″-square 11-ft. 3-in. boom. Snap-lock brackets, drive lines, solid-rod UHF elements of spring temper aluminum for permanent alignment. Extra-long sleeve-reinforced VHF elements. Preassembled—elements snap into position. Less mast, lead-in (tubular type recommended). See optional Splitter/Coupler below. Shpg. wt., 11 lbs. Shipped separately truck or express.

91 CZ 325-G. *$5 Monthly*.......32.95

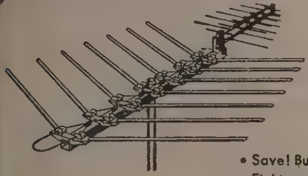


$32.95
$5 monthly

VHF to 165 Miles
UHF to 85 Miles
FM to 90 Miles

3 antennas in 1

VHF-UHF-FM
for COLOR and
Black-and-White
TV Channels 2-83



"KNIGHT MK 18" HEAVY DUTY NEAR-FRINGE ANTENNA

$24.95
$5 monthly

VHF to 140 Miles
UHF to 80 Miles
FM to 85 Miles

- Save! Buy One Antenna That Serves "All" Your Needs
- Eighteen Driven Elements—7 on VHF/FM, 11 on UHF
- Gold-Corodized Finish; Only One Down Lead Required

High gain and flat response to bring in VHF channels 2-13 and UHF channels 14-83 with striking clarity. Strengthens FM or FM stereo multiplex signals so that you enjoy the full potential of static-free FM. One antenna—takes the place of three in performance. "Gold-Cote" finish over aluminum provides complete and long-lasting protection against moisture and rust. Heavy-duty 1″-square 8-ft., 4-in. boom. Snap-lock brackets, drive lines, and solid-rod UHF elements of spring-temper aluminum to assure permanently correct alignment. Low-loss polystyrene insulators. Preassembled. Less mast, lead-in (tubular type recommended). Splitter/Coupler optional, below. Shpg. wt., 8 lbs. Shipped separately truck or express.

91 CZ 338-G. *$5 Monthly*..24.95

"KNIGHT MK 12" HEAVY DUTY FRINGE ANTENNA

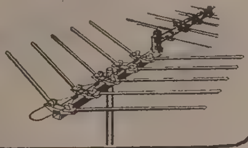
- Three Antennas in One, at One Low, Low Price
- Twelve Driven-Elements—One Down Lead Required

For sharper TV pictures and clearer FM. "Gold-Corodized" finish. 1″-square heavy-duty 69-inch boom. Brackets, drive lines, solid-rod UHF elements of spring-temper aluminum. Polystyrene insulators. Preassembled. Less mast, lead-in (tubular recommended). See optional Splitter/Coupler below. 5¾ lbs. Truck or express.

91 CZ 339-G..............................17.95

$17.95

VHF to 115 Miles
UHF to 60 Miles
FM to 75 Miles

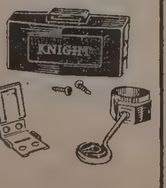


New KNIGHT VHF-UHF-FM SPLITTER/COUPLER

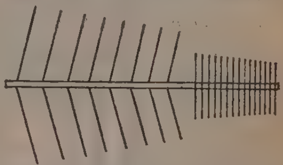
$4.29

Assures maximum performance from Knight or from any other VHF-UHF-FM antenna using single down lead. Unit "splits" signal from antenna to permit running 3 independent leads to receiver terminals—UHF and VHF TV, and FM. Conjugate filter network gives good isolation and negligible signal loss. Includes instructions and hardware for mounting at back of receiver or on antenna mast. Wt., 5 oz.

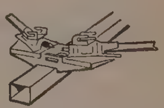
91 C 340-G...4.29



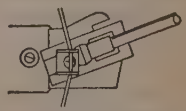
ANTENNA FEATURES



Sharp, highly directive "Swept Forward" design for more sensitive pickup. Multiple drive elements provide increased gain, better signal.



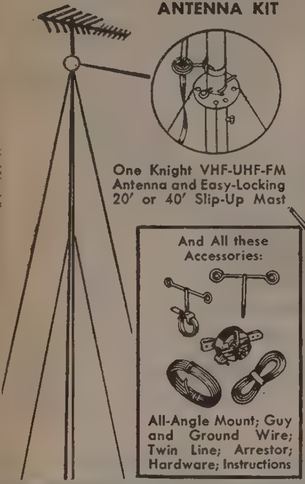
Side view of bracket, boom, and two elements. Antenna is preassembled—elements simply "snap out" into position. It's quick . . . and easy! 1″ square boom for rigidity.



Top view of one element locking in to position above bracket. Perfect alignment and phasing is "a snap."

Knight VHF-UHF-FM and VHF Antenna Kits

COMPLETE ANTENNA KIT

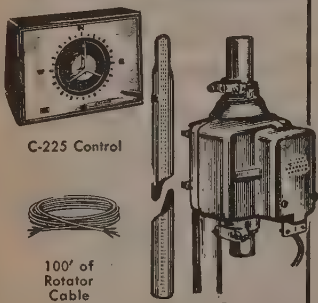


One Knight VHF-UHF-FM Antenna and Easy-Locking 20′ or 40′ Slip-Up Mast

And All these Accessories:

All-Angle Mount; Guy and Ground Wire; Twin Line; Arrestor; Hardware; Instructions

OPTIONAL ROTATOR PACKAGE

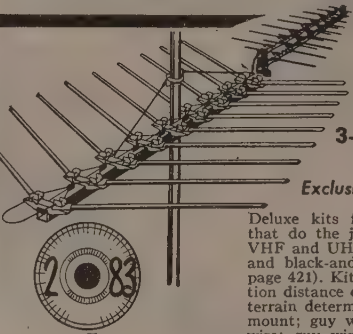


For Utmost Convenience

Popular Alliance C-225 Rotator lets you "aim" your antenna for clearest TV reception. Just set the pointer—rotator does the rest. Package also includes an additional 10-ft. steel mast and all accessories needed for installation.

KNIGHT'S COMPLETE ANTENNA KITS SAVE YOU MONEY

These kits are complete—nothing extra to buy. Available in combinations to suit your needs. Save money, too—complete kit prices are LESS than the total catalog prices of individual components purchased separately.



Complete TV-FM Coverage

COMPLETE KITS WITH NEW 82-CHANNEL 3-WAY VHF-UHF-FM ANTENNA

Exclusive . . Available Only from Allied Radio

Deluxe kits featuring Allied's new 82-channel antennas that do the job of three separate antennas! Receives all VHF and UHF TV channels, and FM. Fine for both color and black-and-white TV. (Full description of antenna on page 421). Kits include 20 or 40-ft. steel slip-up masts. Station distance determines which antenna model to use; local terrain determines mast height. Kits also include: all-angle mount; guy wire; 100-ft. tubular twin line; 50-ft. ground wire; guy wire; ground rod; twin-line lightning arrestor; hardware. Less splitter. (Optional Alliance C-225 Transistorized Rotator is fully automatic; requires 110-120 v., 60 cycle AC.)

82-CHANNEL "MK24" ANTENNA KIT

Range: Up to 165 Miles, VHF—Up to 85 Miles, UHF

Stock No.	Description	Lbs.	EACH
23 CZ 089-4	Kit with 20-ft. Mast, Plus Rotator Package	73	82.95
23 CZ 090-3	Kit with 20-ft. Mast, Less Rotator Package	39	39.95
23 CZ 091-4	Kit with 40-ft. Mast, Plus Rotator Package	87	92.50
23 CZ 092-3	Kit with 40-ft. Mast, Less Rotator Package	70	47.95

82-CHANNEL "MK18" ANTENNA KIT

Range: Up to 140 Miles, VHF—Up to 80 Miles, UHF

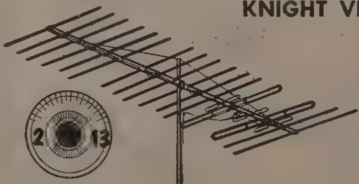
Stock No.	Description	Lbs.	EACH
23 CZ 093-4	Kit with 20-ft. Mast, Plus Rotator Package	67	76.95
23 CZ 094-3	Kit with 20-ft. Mast, Less Rotator Package	36	32.95
23 CZ 095-4	Kit with 40-ft. Mast, Plus Rotator Package	84	84.95
23 CZ 096-3	Kit with 40-ft. Mast, Less Rotator Package	61	39.95

82-CHANNEL "MK12" ANTENNA KIT

Range: Up to 115 Miles, VHF—Up to 60 Miles, UHF

Stock No.	Description	Lbs.	EACH
23 CZ 097-4	Kit with 20-ft. Mast, plus Rotator Package	65	69.95
23 CZ 098-3	Kit with 20-ft. Mast, less Rotator Package	44	26.95
23 CZ 099-4	Kit with 40-ft. Mast, plus Rotator Package	81	79.95
23 CZ 049-3	Kit with 40-ft. Mast, less Rotator Package	59	34.95

KNIGHT VHF FRINGE-ANTENNA KITS



Cover All VHF Channels

Feature Knight's famous VHF corodized antennas (described on page 420) for excellent VHF color and black-and-white reception. Kits are available with 20 or 40-ft. steel slip-up masts. Distance to station determines which antenna model to use; local terrain determines mast height. Also includes: all-angle mount; guy wire; 100-ft. twin line; 50-ft. ground wire; guy wire; ground rod; twin-line arrestor; hardware. (Optional Alliance C-225 rotator is fully automatic, requires 110-120 v., 60 cycle AC.)

VHF ANTENNA KITS FOR BEST FRINGE-AREA RECEPTION

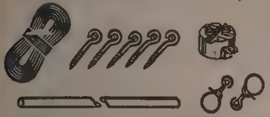
VHF FRINGE-AREA KIT DESCRIPTIONS	SUPER-FRINGE KIT UP TO 200 MILES			DEEP-FRINGE KIT UP TO 150 MILES			FRINGE-AREA KIT UP TO 100 MILES		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Kit with 20-ft. Mast, plus Rotator Package	23 CZ 130-4	77	96.50	23 CZ 134-4	70	73.95	23 CZ 138-4	68	67.95
Kit with 20-ft. Mast, less Rotator Package	23 CZ 131-3	42	51.95	23 CZ 135-3	35	29.95	23 CZ 139-3	33	23.95
Kit with 40-ft. Mast, plus Rotator Package	23 CZ 132-4	90	99.95	23 CZ 136-4	83	79.95	23 CZ 140-4	81	74.95
Kit with 40-ft. Mast, less Rotator Package	23 CZ 133-3	67	59.95	23 CZ 137-3	60	37.95	23 CZ 141-3	58	31.95

NOTE All antennas and antenna kits with "U" or "Z" in Allied's Stock No., are shipped (separately from any other items on your order) via truck or express from our warehouse in Maywood, Illinois.

Knight Metropolitan VHF and UHF Antennas

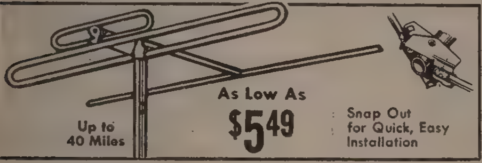
ALL AT NEW LOWER PRICES—VHF ALL GOLD-CORODIZED

All These Accessories Included with Antenna Kits plus Choice of Chimney or Roof Mount...



5—Screw-in Standoffs.
2—Mast Standoffs
Rugged Steel Masts
1—Lightning Arrester
1—50′ Coil of Twin Lead

VHF IN-LINE ANTENNA KITS



Up to 40 Miles

As Low As $\$5^{49}$

Snap Out for Quick, Easy Installation

- Resist Corrosion and Rust
- Quickly, Easily Installed
- For Color/Black and White
- Sturdy Aluminum Tubing

IN-LINE ANTENNA KIT WITH CHIMNEY MOUNT

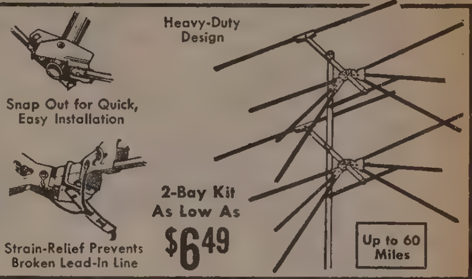
Complete VHF antenna kit at a low, money-saving price. Time-proven in-line design gives sharp, clear color and black-and-white picture on Channels 2 to 13. Has flat response and good directivity. Elements are of tempered ⅜″ aluminum with 1″ aluminum cross arm; gold corodized to resist smoke, soot and ravages of weather. Supplied complete with all accessories described above, 5-ft. mast and chimney mount. Shpg. wt., 10 lbs.
91 CX 053..5.95

IN-LINE ANTENNA KIT WITH ROOF MOUNT

Same as above, but with universal-angle roof mount in place of chimney mount. Shpg. wt., 10 lbs.
91 CX 054..5.49

IN-LINE ANTENNA ONLY

As above, but less all accessories, mounts and mast. Wt., 5 lbs.
91 CX 056..3.29



Heavy-Duty Design

Snap Out for Quick, Easy Installation

Strain-Relief Prevents Broken Lead-In Line

2-Bay Kit As Low As $\$6^{49}$

Up to 60 Miles

TWO-BAY VHF CONICAL ANTENNA WITH 10-FT. MAST AND CHIMNEY MOUNT

Gives excellent reception of all VHF channels. High gain for color or black and white up to 60 miles from transmitter. Features aluminum tubing; 1″ aluminum cross-beam. "Quick-Rig" design cuts installation time. With all accessories (shown upper left), 10 ft. mast plus chimney mount. Shpg. wt., 10 lbs.
91 CX 000..7.39

TWO-BAY CONICAL ANTENNA WITH ROOF MOUNT

Same 2-bay antenna kit as above, but with universal-angle roof mount in place of chimney mount. Shpg. wt., 10 lbs.
91 CX 021..6.49

SINGLE-BAY CONICAL ANTENNA WITH CHIMNEY MOUNT

Up to 40-mile range. As above, but 1 bay only. Supplied with 5 ft. of mast. Shpg. wt., 7 lbs.
91 CX 023..4.89

SINGLE-BAY CONICAL ANTENNA WITH ROOF MOUNT

As above, but 1 bay only. Shpg. wt., 6 lbs.
91 CX 044..4.59

SINGLE-BAY CONICAL ANTENNA ONLY

1-bay antenna, less all accessories, mounts and mast. 3 lbs
91 CX 047..2.19

ANTENNA STACKING KITS

Stacks 2 single-bay conicals into 2-bay array. Wt., 8 oz.
91 CX 050....................55¢

Stacks two 2-bay conicals into 4-bay array. 1¼ lbs.
91 CX 052....................1.35

VHF HIGH-LOW ANTENNA KIT WITH CHIMNEY MOUNT

A two-band VHF antenna kit priced remarkably low. Separate elements permit "aiming" high band (channels 7-13) and low band (2-6) elements individually. Gives peak performance in areas where high and low-band signals come from different directions. Provides excellent reception of color and black and white programs. Elements are of aluminum tubing. Connecting loop supplied assures correct impedance match for maximum signal gain. Includes accessories described above, a 5-ft. mast, and chimney mount. Wt., 10 lbs.
91 CX 057..6.29

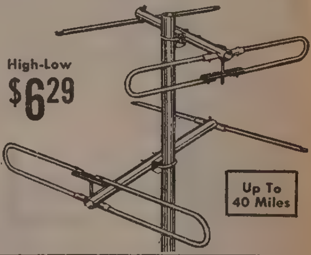
HIGH-LOW KIT WITH ROOF MOUNT

As above, but with universal-angle roof mount and hardware. Shpg. wt., 9 lbs.
91 CX 059..5.49

HIGH-LOW ANTENNA ONLY

Above 2-band antenna, but less all mounts and accessories. Shpg. wt., 5 lbs.
91 CX 061..3.19

High-Low $\$6^{29}$

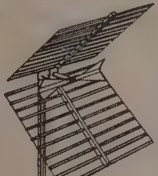


Up To 40 Miles

KNIGHT UHF ANTENNAS FOR GOOD RECEPTION OF CHANNELS 14 TO 83

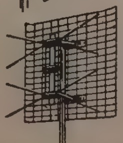
ALL-ALUMINUM CORNER-REFLECTOR $\$3^{95}$

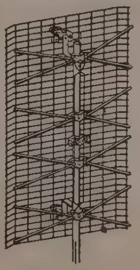
Assembled, ready-to-use in fringe areas and difficult primary locations. Up to 80 miles when dual-stacked. Sharp directivity reduces ghosts. Less mast, lead-in (tubular lead recommended). 5 lbs.
91 CX 070..3.95



NEW 2-BAY BOW-TIE SEMI-FRINGE ANTENNA $\$3^{29}$

Remarkably low-cost antenna pulls in all UHF channels up to 25 miles. Installation is simple—attaches quickly to any mast. With U-bolts and aluminum screws and nuts. Less mast and lead-in (tubular lead recommended). 2 lbs.
91 CX 071..3.29





4-Bay Bow-Tie Antenna

$\$3^{95}$ 4-BAY BOW TIE ANTENNA

Up to 90 Miles when Stacked

Low-cost, compact 4-bay antenna. Preassembled and ready for quick, easy installation. Can be attached to existing VHF antenna mast. 4-bay design gives good reception up to 50 miles. By stacking two 4-bay antennas together (see stacking kits, below) you can get stations up to 70 miles away. Stacking four 4-bay antennas together, gives up to 90 mile range. Has preinstalled phasing harness that maintains line matching. Less mast, lead-in (tubular lead recommended). 4 lbs.
91 CU 064. Shipped express..........3.95

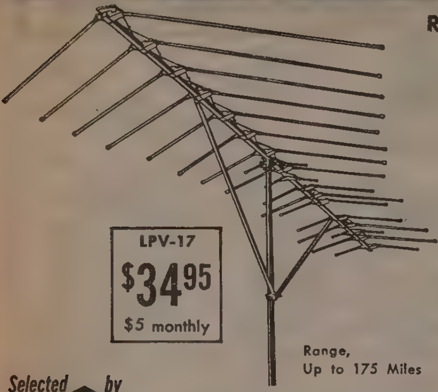
91 CX 074. Stacking Kit. To stack two 4-bay antennas together. ½ lb..........2.95

91 CX 080. Stacking Kit. To stack four 4-bay antennas together. 1 lb..........5.45

See Note on Facing Page for Antenna Shipping Information

JFD Log-Periodic VHF Antennas and Kits

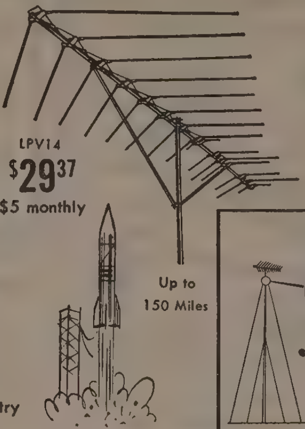
REVOLUTIONARY VHF TV ANTENNA DESIGN

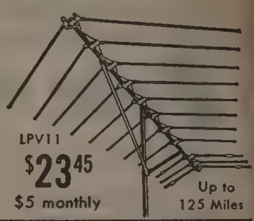

LPV-17

$34.95

$5 monthly

Range, Up to 175 Miles





Selected by

HGT

NEW YORK WORLD'S FAIR
HOUSE OF GOOD TASTE

Developed at University of Illinois
Proved in Air Force Satellite Telemetry

GOLD-ALODIZED LOG-PERIODIC VHF TV ANTENNAS

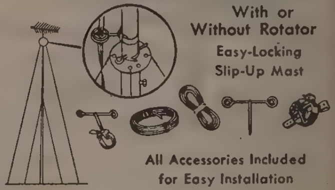
- Uniformly High Gain on All VHF Channels
- Very Sharp High-and Low-Band Directivity
- Front-to-Back Ratio of Up to 35 db
- 100% Preassembled for Easy Installation
- Response Is Flat Across All 12 Channels
- Gold-Alodized to Resist Corrosive Action
- Sturdy 1″ Square Aluminum Crossarm
- Solid-Aluminum Harness • Oversize Bracket

From the Antenna Research Laboratory of the University of Illinois to you—after extensive and successful use by the Air Force in its satellite programs. Super-efficient LPV antennas feature harmonically resonant V-elements operating on the log-periodic cellular principle in the fundamental and 3rd harmonic modes. Gain is frequency-independent . . . flat response across all VHF-TV channels is ensured. Excellent for both color and black-and-white. Also recommended for FM stereo multiplex reception. Choice of 6 models, all 100% preassembled, and boasting "Flip-Quick" construction: 1″ square aluminum crossarm, solid-aluminum harness, sleeve-reinforced elements, and oversize "tank turret" bracket. Installs in minutes. Gold-alodized by a JFD process that meets MIL-C-5541 and MIL-S-5002 gov't specs. LPV17, LPV14, and LPV11 antennas have boom braces for rigid element and director support. Other antennas feature same rugged JFD construction, but are supplied less the boom braces. All antennas listed in table, below are supplied less mast and twin line. Shipped truck or express.

Stock No.	Model	Elements	Crossarm	Range	Lbs.	EACH
92 CZ 449	LPV17	18	180″	Up to 175 mi.	17	34.95
92 CZ 448	LPV14	15	148″	Up to 150 mi.	14	29.37
92 CZ 447	LPV11	11	121″	Up to 125 mi.	12	23.45
92 CZ 446	LPV8	8	96″	Up to 100 mi.	6	17.61
92 CZ 445	LPV6	6	67″	Up to 75 mi.	7	12.91
92 CZ 444	LPV4	4	39″	Up to 50 mi.	5	8.79

CHOICE OF ANTENNA KITS

With or Without Rotator

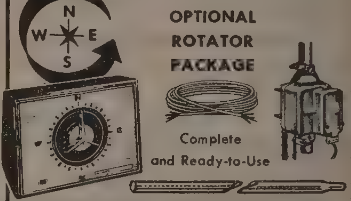


All Accessories Included for Easy Installation

ANTENNA AND MAST KIT

Your choice of LPV Log-Periodic antenna and 20 or 40-ft. steel mast, plus accessories: all-angle mount; guy wire; 100 ft. of 300-ohm twin-line; 50 ft. of ground wire; ground rod; lightning arrester; and all hardware.

OPTIONAL ROTATOR PACKAGE



Complete and Ready-to-Use

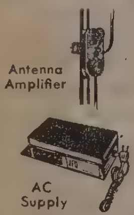
ROTATOR AND ACCESSORIES

Rotator Package includes automatic Alliance C-225 rotator and transistorized control unit, an additional 10-ft. all-steel mast, and 100 ft. of control cable.

NEW!

NEW VT-2 TELE-AMP VHF TV ANTENNA AMPLIFIER

- Up to 16 db of Gain
- All-Transistor Operation



2-transistor amplifier is permanently sealed against weather, and designed to reduce effect of overload. Mounts easily on antenna boom, providing up to 16 db gain. AC power supply at TV set distributes signal to one or more sets. Trap prevents FM interference. With hardware. For 110-120 v., 60 cycle AC. 1½ lbs.

91 C 195 . . . . 23.97

MONEY-SAVING ANTENNA KITS FOR EVERY NEED

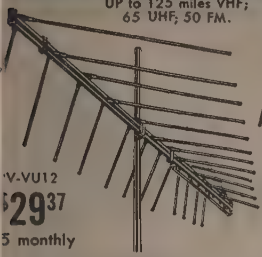
- Your Choice of LPV Antenna and 20 or 40-ft. All-Steel Mast
- Complete, Easy-to-Follow Instructions
- With All Accessories
- Optional Automatic Rotator Package
- Special Low Kit Prices

Save money and work with a complete JFD antenna kit. You save because the price of the kit is lower than components purchased separately. You save time because there's no need to shop around for different items . . . they're all here in one package, ready to use . . . exactly what you need for simplified installation. Kits are listed with a choice of 20- or 40-ft. mast. Distance to TV stations determines which antenna to use. Local terrain (hills, trees, buildings, etc.) determines what mast height is best. Fully automatic Alliance C-225 rotator "aims" antenna at station for best reception. Kit includes: gold-alodized LPV antenna; steel mast; all-angle mount; guy wire; 100 ft. of 300-ohm twin line; 50 ft. of ground wire; ground rod; lightning arrester; hardware; complete installation instructions. Rotator is for 110-120 v., 60 cycle AC. Shipped truck or express.

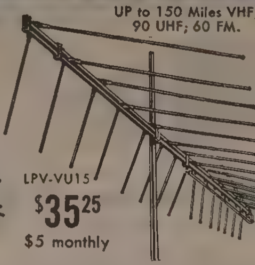
VHF FRINGE-AREA KIT DESCRIPTIONS	LPV17 SUPER-FRINGE KIT UP TO 175 MILES			LPV14 DEEP-FRINGE KIT UP TO 150 MILES			LPV11 FRINGE-AREA KIT UP TO 100 MILES		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Kit with 20-ft. Mast, Plus Rotator Package	23 CZ 142-4	73	84.95	23 CZ 146-4	69	79.95	23 CZ 584-4	65	74.95
Kit with 20-ft. Mast, Less Rotator Package	23 CZ 143-3	43	39.95	23 CZ 147-3	38	34.95	23 CZ 585-3	34	29.95
Kit with 40-ft. Mast, Plus Rotator Package	23 CZ 144-4	90	92.50	23 CZ 148-4	86	87.50	23 CZ 586-4	82	82.50
Kit with 40-ft. Mast, Less Rotator Package	23 CZ 145-3	66	48.95	23 CZ 149-3	63	42.50	23 CZ 587-3	61	37.95

Antennas and Kits Shipped Truck or Express from Maywood, Illinois

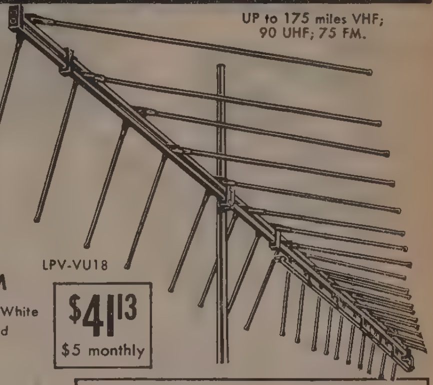
Log-Periodic VHF-UHF-FM Antennas JFD



V-VU12
29^{37}
5 monthly



LPV-VU15
35^{25}
$5 monthly



LPV-VU18
41^{13}
$5 monthly

82 CHANNEL ANTENNAS RECEIVE VHF-UHF-FM

- Receive TV Channels 2-83 plus FM
- All Uses Famous Log-Periodic Principle
- Uses Only One Down Lead
- Flat Response Across All Channels
- Excellent for Color and Black-and-White
- Up to 13 db Gain • Gold Alodized
- Feature High Front-to-Back Ratios
- Include VHF-UHF-FM Splitter

implify installation and enjoy the con-enience of receiving both VHF and HF TV, plus FM stations with just ne antenna. JFD 3-way antennas use he Log-Periodic principle (described n facing page) developed by the University of Illinois and proven by the Air orce in its satellite program. For you it means frequency-independent gain, flat response across all VHF and UHF channels, up to 16-db gain. For both color and black-and-white. Each antenna includes a splitter to run separate leads to VHF and UHF terminals, and to FM receiver. Less mast and lead-in. (Tubular lead recommended.)

V-VU15 15-CELL ANTENNA. Up to 150 iles VHF; 90 UHF. Similar to LP-VU18 ut crossarm is 140″ long. Shpg. Wt., lbs.
CZ 510. Truck or express..35.25

V-VU12 12-CELL ANTENNA. Up to 125 iles VHF; 65 UHF. As above. Crossarm, 8″. Wt., 9 lbs.
CZ 171. Truck or express..29.37

LPV-VU18 18-CELL ANTENNA. Up to 175 miles VHF; 90 UHF. JFD's best VHF-UHF-FM antenna. Has 160″ crossarm, twin-boom construction, stainless steel terminal take-offs, aluminum bus bar transformer, and aluminum bracketing. Sturdy boom brace is designed to accept rotator. Shpg. wt., 12 lbs. Shipped by truck or express.
91 CZ 509. *$5 Monthly.* 41.13

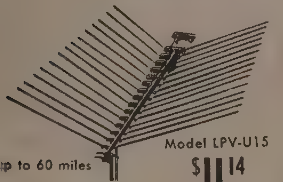
CHOICE OF ANTENNA-AND-MAST KIT AND OPTIONAL ROTATOR PACKAGE

Money-Saving Kit and Package Are Ready to Use

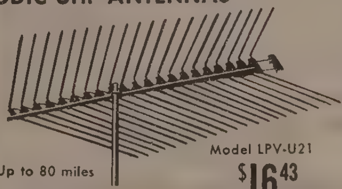
The ultimate in convenience: ready-to-use antenna kit and optional rotator package. Selected by experts, to give you everything needed for installation at a lower price than the cost of components purchased separately. **See facing page for complete description.**

ALL CHANNEL ANTENNA KIT DESCRIPTION	LPV-VU18 KIT—up to 175 Miles VHF, 90 UHF			LPV-VU15 KIT—up to 150 Miles VHF; 90 UHF			LPV-VU12 KIT—up to 125 Miles VHF; 65 UHF		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
Kit with 20-ft. Mast, Plus Rotator Package	23 CZ 588-4	71	89.95	23 CZ 592-4	68	86.50	23 CZ 596-4	65	79.95
Kit with 20-ft. Mast, Less Rotator Package	23 CZ 589-3	40	46.95	23 CZ 593-3	37	41.95	23 CZ 597-3	34	36.95
Kit with 40-ft. Mast, Plus Rotator Package	23 CZ 590-4	88	99.95	23 CZ 594-4	85	94.95	23 CZ 598-4	83	89.95
Kit with 40-ft. Mast, Less Rotator Package	23 CZ 591-3	65	54.95	23 CZ 595-3	62	48.95	23 CZ 599-3	59	44.95

NEW JFD LOG-PERIODIC UHF ANTENNAS



Model LPV-U15
p to 60 miles
11^{14}



Up to 80 miles
Model LPV-U21
16^{43}

HOOSE FROM FOUR MODELS DESIGNED FOR EVERY NEED

- Latest Space-Age Design Features
- Gold-Alodized to Resist Weather Corrosion
- Preassembled for Easiest Installation
- Excellent Directivity • Good Ghost-Rejection
- Up to 15-db Gain • One-Piece Construction
- Solid-Aluminum Rods and Feeder Harness
- Stainless Steel Take-Off Terminals
- Inline Design for Least Wind, Ice Loading

FD's new UHF antenna, uses the famous og-Periodic principle to pull in all UHF hannels, plus VHF channels 7 through 13. The University of Illinois developed the og-Periodic design—the Air Force proved its capabilities in satellite programs (see facing page for a full explanation). No matter where you are, there's a JFD antenna to give you good reception. Less mast, lead-in. (Tubular lead recommended.)

PV-U21 DEEP-FRINGE ANTENNA. Up to 80 miles. 21 cells. Up to 15-db gain. Overall ize, 65x31″. Shpg. wt., 8 lbs.
92 CZ 490. Express or truck.......16.43

PV-U15 FRINGE-AREA ANTENNA. Up to 60 miles. 15 cells. Up to 13-db gain. Overall ize, 40x31″. Shpg. wt., 6 lbs.
1 CZ 196. Express or Truck........11.14

LPV-U9 METROPOLITAN ANTENNA. Up to 40 miles. 9 cells. Up to 12-db gain. Overall size, 26x30″. Shpg. wt., 5 lbs.
92 CZ 491. Express or Truck.......7.35

LPV-U5 LOCAL-SUBURBAN ANTENNA. Up to 25 miles. 5 cells. Up to 10-db gain. Overall size, 15x30″. Shpg. wt., 4 lbs.
91 CZ 197. Express or Truck.......4.50

UHF TV ANTENNA AMPLIFIER

Amplifier
AC Supply

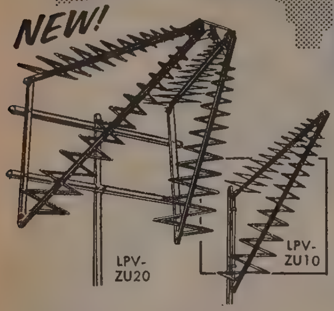
Tele-Amp UHT-1 23^{97} $5 monthly

- Permanently Sealed Against Weather
- Provides Up to 15-db of Gain
- All-Transistor Supply and Amplifier
- Distributes to One or Two TV Receivers

The Tele-Amp—easy to install, and a big signal-booster . . . up to 10 db . . . and supplies one or more TV sets. Boom-mounted amplifier (with P.C. board like those used in satellites) is powered through lead-in from AC supply at the set. Safe from lightning, static discharges, voltage surges. Solid-state circuitry in both units. For 110-120 volts, 60 cycle AC. Shpg. wt., 1½ lbs.
91 C 198. .... 23.97

Antennas and Kits Shipped Express or Truck from Maywood, Illinois

JFD UHF and VHF TV Antennas



ALL-NEW "ZIG-A-LOG" UHF TV ANTENNAS

- New Log-Periodic Planar-Helical Design
- Very High Directivity and Gain
- Excellent Color Performance
- Gold Alodized
- Compact Size

MODEL LPV-ZU20—UP TO 90 MILES

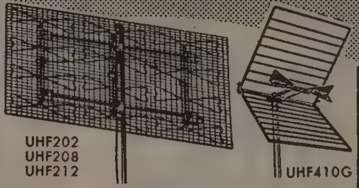
JFD's new 2-bay "Zig-A-Log" offers uniformly high performance across the full UHF TV band. Utilizing the log-periodic principle (so successfully employed for VHF reception), this antenna achieves outstanding coverage of channels 14-83 without customary backing screens or reflectors.

Consists, instead, of two vertically-angled narrow-width meandering conductors, scaled precisely according to a proved logarithmic periodic formula. Frequency-independent horizontal and vertical beam patterns ensure extremely uniform directivity and gain. Good "ghost" rejection.

Compact size contributes to easy installation. Gold-alodized for high resistance to corrosion. Crossarm length, 45". Less mast and lead-in. (Tubular lead recommended.) Shpg. wt., 6 lbs. Shipped by truck or express only.
91 CZ 179. *$5 Monthly*.......... **22.05**

MODEL ZU10—UP TO 60 MILES

Single-bay version of above. 4 lbs. Shipped truck or express. Less mast, lead-in. (Tubular lead recommended.)
91 CZ 180...................... **10.55**



UHF BOW-TIE ANTENNAS

MODEL UHF212—UP TO 125 MILES

12-bay bowtie for fringe area reception. Super-sensitive "cardioid" dipole design provides extremely high gain, averaging 15 db, over all UHF channels, 14 through 83. Screen is engineered for efficient shielding of conical sections—wire grid offers higher signal-to-noise ratios and noise rejection. Provides sharp directivity; greatly reduces interference and "ghosts." Preassembled for simple installation. Less mast, 300-ohm twin line. (Tubular lead recommended.) 10 lbs. Shipped truck or express.
92 CU 551. *$5 Monthly*.......... **20.67**

MODEL UHF208—UP TO 100 MILES

8-bays. Wire mesh reflector and matched elements for high gain. Aluminum rods. Less mast, line. (Tubular lead recommended.) 8 lbs. Truck or express.
92 CU 550...................... **12.26**

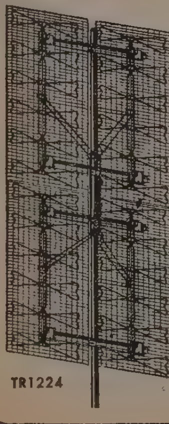
MODEL UHF202—UP TO 50 MILES

4-bay vertically stacked bowtie for metropolitan and suburban areas. Gives high gain averaging 8 db on all channels—reduces snow and reflections. "Custom-Channel" calibrator peaks individual channels for best response. Precision spaced elements and phasing harness for maximum gain. Galvanized grid wire screen with ⅛" O.D. solid aluminum rods. Preassembled. Less mast and twin line. (Tubular lead recommended.) 6 lbs. Truck or express.
92 CU 151...................... **5.26**

UHF CORNER REFLECTOR

MODEL UHF410G—UP TO 50 MILES

Extremely sharp directivity. High front/back and front/side ratio. Twin-angled, multi-grid reflectors trap signal, concentrating it in-phase on bowtie dipole. Solid aluminum, gold alodized. Less mast, line. (Tubular lead recommended.) 6 lbs.
92 CX 403...................... **4.82**



TR1224

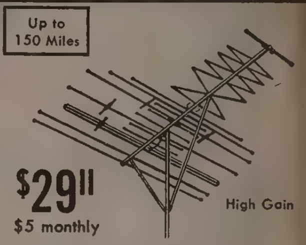
UHF TRANSLATOR/MPTAI ANTENNAS

Ranges from 70 to 150 Miles

- ✓ Sensitive Reception of UHF Channels 70 through 83
- ✓ Broadband Stacking
- ✓ Multistage Phasing Transformers

Feature powerful cardioid dipoles, ruggedized preassembled construction, Implex "A" insulators, and broadband stacking for extra gain on translator channels. Extremely directive and sensitive—very narrow forward lobe. Horizontally and vertically wide-spaced and phased cardioid dipoles work off an oversized reflector. Multistage phasing transformers give excellent impedance match. Galvanized wire screen with ⅛" solid-aluminum dipoles. Average gain: Model TR1224, 18 db; TR1212, 14 db; TR1206, 12 db. Less mast and twin line. Shpg. wts.: TR1224, 23 lbs.; TR1212, 11 lbs.; TR1206, 9 lbs. Shipped truck or express.

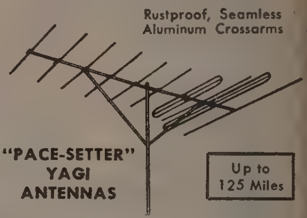
Stock No.	Mfr's Type	No. of Bays	Range in Miles	EACH
92 CZ 465	TR1224	24	150	29.11
92 CZ 440	TR1212	12	100	14.67
92 CU 187	TR1206	6	70	7.03



VHF "SATELLITE HELIX"

MODEL VX111G. 25 multi-function physical elements operate with microwave helical probe to offer extremely sharp directivity and wide vertical beam width. Up to 14-db gain on high band; 9-db on low band. Gold-alodized against corrosion. Has 1" square boom with two 1" braces. Less mast and twin line. Wt., 13 lbs. Shipped truck or express.
92 CZ 404. *$5 Monthly*. **29.11**

JFD VHF ANTENNAS


Rustproof, Seamless Aluminum Crossarms
"PACE-SETTER" YAGI ANTENNAS
Up to 125 Miles

SINGLE-CHANNEL 10-ELEMENT TYPES

Provide sharp directivity and over 11½ db gain—52% above most 5-element yagis. Ideal for deep-fringe areas. Full-length 1" O.D. crossarm. Y-type braces supplied with ch. 2-6 models. Gold-alodized. Less mast, twin line. Av. wt., 9 lbs. Shipped truck or express.

Stock No.	Model	Channel	EACH
92 CZ 309	10Z2G	2	14.29
92 CZ 310	10Z3G	3	13.88
92 CZ 311	10Z4G	4	13.41
92 CZ 313	10Z5G	5	12.91
92 CZ 314	10Z6G	6	12.41
92 CZ 315	10Z7G	7	5.82
92 CZ 316	10Z8G	8	
92 CZ 317	10Z9G	9	
92 CZ 318	10Z10G	10	
92 CZ 320	10Z11G	11	5.82
92 CZ 321	10Z12G	12	
92 CZ 328	10Z13G	13	

STACKING HARNESSES

Matching harnesses for stacking Pace-Setters, above. Give higher gain needed for distant stations and hilly areas. Gold-alodized. Av. shpg. wt., ½ lb.

Stock No.	Model	Channel	EACH
92 CX 405	BT2G	2	1.03
92 CX 407	BT3G	3	
92 CX 408	BT4G	4	
92 CX 410	BT5G	5	
92 CX 411	BT6G	6	
92 CX 412	BT713G	7-13	.73

SHIPPING NOTE

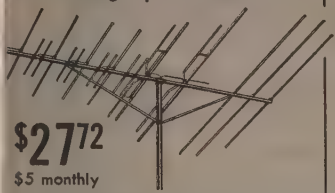
Antennas with U or Z in Stock No. Are Shipped *Separately* by Truck or Express from our Maywood, Illinois Warehouse.

Winegard UHF and VHF TV Antennas

NEW! "COLOR'CEPTOR

MODEL CL4X VHF ANTENNA

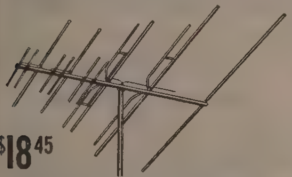
Range Up to 150 Miles



$27.72
$5 monthly

- 18 Elements • Non-Fade Gold Anodizing
- Gain Is Within 2.5 db on Each Channel
- Reinforced Reflectors Withstand High Winds
- Preassembled • Cadmium-Plated Hardware

Features Winegard's exclusive "Electro-Lens" director system, with high-Q loading-coils for excellent color and black-and-white reception. High front-to-back ratio. 16" internal sleeve reinforcement. Plugged boom eliminates wind whistle. Longest element: 110". Boom length: 122". Less mast and twin line. Shpg. wt., 10 lbs. Shipped truck or express.
91 CZ 487. *$5 Monthly*........27.72



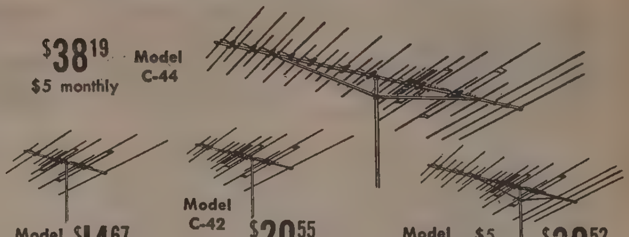
$18.45

MODEL CL4 VHF ANTENNA

Range Up to 100 Miles

"Color 'Ceptor" 11-element antenna featuring the "Electro-Lens" director system, and excellent specifications of the Model CL4X described above. Ideal for city and near-fringe-area reception of color and black-and-white VHF signals. Gold anodized. Longest element, 110". Boom length: 78". Supplied less mast and 300-ohm twin line. Shpg. wt., 7 lbs. Shipped truck or express.
91 CZ 486......................18.45

New "COLORTRON" Antennas



$38.19 Model C-44
$5 monthly

Model C-41 $14.67

Model C-42 $5 monthly $20.55

Model C-43 $5 monthly $30.52

"COLORTRON" ALL-CHANNEL VHF YAGI ANTENNAS

- High Uniform Gain on All 12 VHF Channels
- Gold Anodized • Lock-Tight Element Supports
- High F/B Ratio • Factory Preassembled
- Reflectors Reinforced by 16" Internal Sleeve
- Balanced at Clamp for Wind-Resistance
- Triple Moisture-Barrier Insulators • Flat Gain
- Seamless Aluminum Double Boom Braces
- ¼" Seamless Air-Spaced Metal Phasing Bars

MODEL C-44—UP TO 175 MILES

30 Elements. High-Q loading coils. Boom braces, 1" x .035 gauge. Widest element: 110". Boom length 190". 15 lbs.
91 CZ 488. Truck or express.....38.19

MODEL C-43—UP TO 125 MILES

21 elements. Similar to the C-44, above. Boom braces: ¾" x .030 gauge. Boom length: 133". Shpg. wt., 13 lbs.
91 CZ 489. Truck or express....30.52

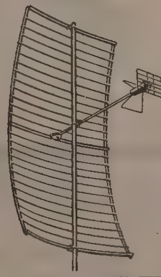
MODEL C-42—UP TO 100 MILES

14 elements. Similar to Models C-44 and C-43 at left. Widest element: 110". Boom length: 78". Shpg. wt., 7 lbs.
91 CZ 490. Truck or express. . .20.55

MODEL C-41—UP TO 60 MILES

9 Elements. Similar in construction and in specifications to above. Widest element: 110". Boom length: 66". 12 lbs.
91 CZ 491. Truck or express.....14.67

NEW MODEL TU-500 RADAR-TYPE UHF ANTENNA



Range Up to 60 Miles

$28.39
$5 monthly

- Unique Semi-Parabolic Radar-Type Screen
- Preassembled to Make Installation Easy
- Seamless Tubing • Easy to Install

Advanced new design gives maximum capture-area with minimum wind resistance, high gain, and excellent impedance match. Unique rectangular screen focuses signals on the special wave-guide collector element. VSWR is better than 1.5:1 from 450 to 1000 mc—insures maximum transfer of collected signal. Uniform gain on all UHF channels. Rugged construction of heavy-duty seamless aluminum tubing. Includes 3 mast clamps. Less mast and lead-in. (Tubular lead recommended). 11 lbs. Shipped truck or express.
91 CZ 175. *$5 Monthly*.........................28.39

REMBRANDT ALL-DIRECTIONAL VHF ANTENNA KIT

$32.92 $5 monthly

Features all-directional, 2-bay Riviera TV Antenna, plus all accessories for easy installation. 16—60" elements provide excellent deep-fringe reception. Convenient 12-position switch (that can be located at your TV set) selects proper elements for best reception from any direction. Ensures sharper, clearer viewing of color and black-and-white. Sturdy aluminum construction includes 4—45" stacking bars. Diamond-embossed, gold anodized ½"-diameter elements are preassembled. Kit also includes two 5-ft. masts, 100-ft. of lead-in, 3 mast insulators, 5 wall insulators and chimney mount. Shpg. wt., 15 lbs. Shipped by truck or express.
92 137. *$5 Monthly.* 32.92

SELECTOR SWITCH

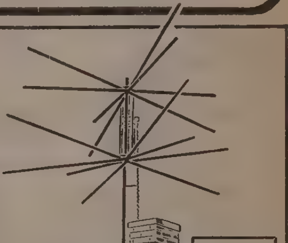
Included with Rembrandt antenna kit. Has 12-position knob to select proper antenna elements for best reception from any direction.

RIVIERA ANTENNA AND SWITCH ALONE

Same antenna described at left, and switch, above. Less mast and installation accessories included with kit. 10 lbs. Shipped truck or express.
92 CU 351. *$5 Monthly*..............19.85

CABLE FOR RIVIERA ANTENNA

Special 4-conductor lead in. Shpg. wt., per 100 ft., 2 lbs.
91 CX 553. 100-ft. Coil...................8.90



Riviera Antenna

Up to 125 Miles

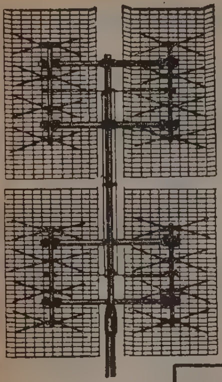
INCLUDES ALL ACCESSORIES

See Note on Facing Page for Important Shipping Information

FINCO

VHF, UHF, and VHF-UHF Antennas

ULTRASENSITIVE UHF TV ANTENNAS



Maximum gain through application of exclusive "Fidelity Phased" colinear design technique.

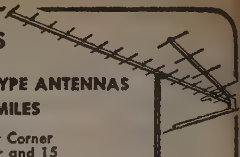
Furnished with preformed solid rod harness system

NEW 4444BT 16-BAY BOW-TIE
UP TO 125 MILES

$24.50
$5 monthly

- Four Sensitive 4-Bay Units
- Average Gain of 15 Db
- "Fidelity Phased" Design
- All Preassembled

Four 4-bay units (16 colinear bays). Preformed solid-aluminum rod harness. Fine calibration, parallel synchronized elements for sharp directivity, maximum gain. Strong double cross-member boom. Double bracketry with aluminum nuts, bolts, vital contacts (no rusting). Extra-large, heavy mast bracket fits any mast. Less mast and lead-in. (Tubular lead-in recommended.) Shpg. wt., 20 lbs. Shipped separately by truck or express.
91 CZ 199. *$5 Monthly*..........24.50



BROADBAND YAGI-TYPE ANTENNAS
UP TO 50 MILES

NEW
$8.81

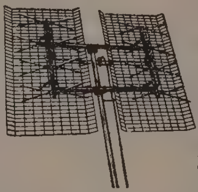
- 16-Element Corner Reflector and 15 Directors for High Gain
- Gold Corodized

For reception superior to "all-channel" UHF antennas. All aluminum. Less mast, lead-in. (Tubular lead-in recommended.) Preassembled. Wt., 2½ lbs. Shipped by truck or express.

FA-1445 for Channels 14-45.
91 CZ 376..........................8.81

FA-4570 For Channels 45-70.
91 CZ 377..........................8.81

FA-7083 for Channels 70-83.
91 CZ 379..........................8.81



44BT 8-BAY BOW-TIE
UP TO 75 MILES

$12.35

- Two 4-Bay Units
- Good Range At Low Cost

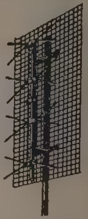
Preformed harness. Fine calibration, parallel synchronized. Double cross-member boom. Double brackets; aluminum hardware, contacts. Less mast, lead. (Tubular lead recommended.) Truck or express.
92 CU 500. 8½ lbs.....12.35

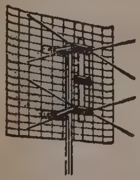
4BT 4-BAY BOW-TIE
UP TO 55 MILES

$4.92

- All-Aluminum Elements
- Easy to Install

Excellent reception within 55 miles. Sensitive elements and screen. Aluminum screws, nuts. U-bolt installation. Less mast and lead-in. (Tubular lead recommended.) 4½ lbs. Truck or express.
92 CU 495.............4.92



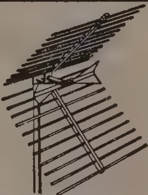


2BT 2-BAY BOW-TIE
UP TO 25 MILES

$3.38

- Very Compact Size
- Top Value at This Price
- Aluminum Screws, Nuts

Simple and rugged design. Mounts to any mast with supplied U-bolts. Less mast, lead-in. (Tubular lead recommended.) Shpg. wt., 2 lbs.
92 CX 494...................3.38



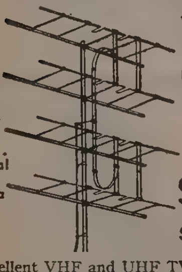
CRB CORNER REFLECTOR
UP TO 45 MILES

$4.47

- Excellent Directivity
- Large Reflector Screen
- Gold Corodized Aluminum

High gain, plus sharp directivity greatly reduce "ghosts" and "snow." Less mast and lead-in. (Tubular lead recommended.) Wt. 5 lbs.
92 CX 497...................4.47

400-A VHF-UHF CO-LATERAL



VHF Up to 125 Miles

UHF Up to 60 Miles

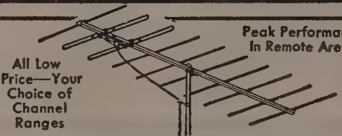
Employs "Fidelity Phased" Design . . A Special Feature for Extra Pulling Power

$26.95
$5 monthly

For excellent VHF and UHF TV in fringe areas. Boasts 32 driven elements for high gain, directivity, and signal-to-noise ratio. Weather-resistant aluminum, stainless-steel hardware. Self-locking, self-aligning element brackets. Requires at least a 10-foot mast. Less mast, lead-in. Gold corodized. (Tubular-type lead-in recommended.) 12 lbs. Truck or express.
92 CZ 269. *$5 Monthly*..........26.95

SHIPPING INFORMATION

Antenna equipment with "U" or "Z" in Stock No. shipped separately from other items from Maywood, Illinois.



All Low Price—Your Choice of Channel Ranges

Peak Performance In Remote Areas

"GEOMATIC" VHF TV FRINGE-AREA ANTENNAS AND STACKING KITS

High-quality yagi antennas for color or black-and-white reception in fringe areas. Maximum gain, sharp directivity, flat response, high front-to-back ratio. Gold corodized aluminum resists weather. Truck or express, except H6-713.

SINGLE-CHANNEL Y10 SERIES

For reception up to 125 miles. Ten elements. Av. shpg. wt., 4¼ lbs.

Stock No.	Model	Channel	EACH	Stock No.	Model	Channel	EACH
92 CU 236	Y10-2	2	13.82	91 CU 384	Y10-8	8	4.91
92 CU 237	Y10-3	3	13.51	91 CU 387	Y10-9	9	
92 CU 238	Y10-4	4	12.75	91 CU 388	Y10-10	10	
92 CU 240	Y10-5	5	12.15	91 CU 389	Y10-11	11	4.91
92 CU 241	Y10-6	6	11.75	91 CU 390	Y10-12	12	
91 CU 380	Y10-7	7	4.91	91 CU 393	Y10-13	13	

GOLD CORODIZED YAGI BROADBAND ANTENNAS (Channels 7-13)

Range	Stock No.	Model	Boom	Elements	Lbs.	EACH
200 miles	91 CU 383	Y14-713	15′6″	14	6	17.63
125 miles	92 CU 559	H10-713	6′11″	10	4⅜	7.61
100 miles	92 CX 567	H6-713	4′	6	2¾	5.14

MODEL A STACKING KIT

For 2 same-channel Series H10 or broadband antennas above. 8 oz.
92 C 086.........................1.47

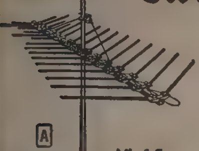
MODEL B STACKING KIT

For 2 same-channel Series Y10 antennas above. 8 oz.
92 CX 075.........................1.53

VHF-FM, and VHF Antennas

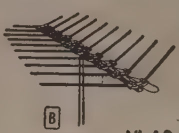
FINCO

NEW "*Swept Forward*" ANTENNAS



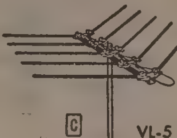
$\$26^{97}$
$5 monthly

VL-15
Up to
150 Miles



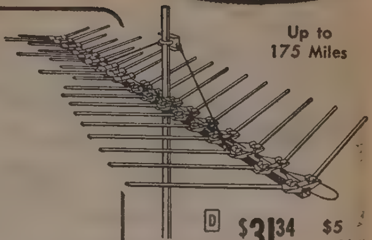
$\$19^{98}$
$5 monthly

VL-10
Up to
125 Miles



$\$9^{75}$

VL-5
Up to
75 Miles



Up to
175 Miles

VL-18 $\$31^{34}$ $5 monthly

NEW "VE-LOG" COMBINATION VHF TV AND FM ANTENNAS

Choose from four new models and four distance ranges—pick the one that best suits your antenna needs. All elements are driven with constant spacing for maximizing uniform gain and flat response over full VHF band (channels 2-13). The result is excellent-quality pictures in color or black-and-white. Antenna also improves FM reception (especially stereo multiplex) in normal signal-strength areas. Gold corodized to enhance the intensity of current-flow and for lasting weather resistance. Full 1″-square heavy-duty boom. Elements are extra-long sleeve reinforced. High-impact, low-loss polystyrene molded insulators are aluminum-clad reinforced by bracket design to assure permanently correct alignment. Snap-lock brackets and drive lines of spring temper aluminum for rugged, positive construction. High-impact, low-loss polystyrene special insulators hold drive-line transposition in positive position. For one or more sets with separate TV and FM inputs. Preassembled snap-out construction. Just flip the elements into place and tighten for fast, easy installation. All antennas fit any standard mast.

A MODEL VL-15—UP TO 150 MILES

ery-high-gain 15-element antenna with 9 riven and 6 parasitic elements. Picks up xtremely distant stations to produce qualy color or black-and-white pictures. Also hances FM reception. Heavy-duty boom 12 ft., 10 in. long; has solid-rod brace to prevent sagging even after years of use. Full-length directors are extra-long sleeve reinforced for correct alignment. Less mast and lead-in. Shpg. wt. 12½ lbs. Shipped truck or express.
91 CZ 203. *$5 Monthly*............26.97

B MODEL VL-10—UP TO 125 MILES

igh-gain 10-element antenna, with 9 driva elements plus a parasitic element for isp, sharp pictures in color or black-and-hite. High constant-gain through FM and for long-distance, static-free monophonic or stereophonic FM. Heavy-duty boom is 10 ft. long (does not require bracing). Less mast and lead-in. Shpg. wt. 9½ lbs. Shipped truck or express.
91 CZ 202. *$5 Monthly*............19.98

C MODEL VL-5—UP TO 75 MILES

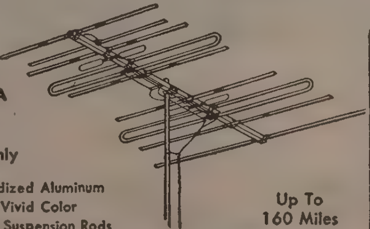
ombines good range, dual purpose (TV nd FM)—and low price! 5 driven elements ve excellent-quality color or black-and-hite pictures within specified range. Improves FM reception. Heavy-duty boom is 4-ft. 5-in. long. Less mast and lead-in. 5 lbs. Shipped truck or express.
91 CZ 208........................9.75

D MODEL VL-18—UP TO 175 MILES

- Finco's Best "Swept Forward" Antenna
- 18 Elements for Strong Pulling-Power
- Provides Better Reception in Problem Areas
- Deluxe Construction for Years of Service

Extra-high-gain 18-element antenna with 9 driven and 9 parasitic elements. Makes possible crisp color or black-and-white pictures in most remote and most difficult signal-strength areas. Also brings out the best in every FM set. Heavy-duty boom is 14 ft., 10 in. long, and has solid-rod boom suspension bracing to prevent sagging even after years of use. Full-length directors are extra-long sleeve reinforced. Special bracket to assure permanently correct alignment. Less mast and lead-in. 13¾ lbs. Truck or express.
91 CZ 214. *$5 Monthly*.............31.34

B-8 VHF
WIN-DRIVEN
'GEOMATIC"
RINGE ANTENNA



$\$23^{51}$ $5 monthly

100% Gold-Corodized Aluminum
Flat Response for Vivid Color
Heavy-Duty Boom Suspension Rods

Up To
160 Miles

hree directors and two reflectors for good deep-fringe reception; xtremely sharp directivity. Exclusive "Fidelity Phasing" gives inhase colinear currents for greater gain, eliminates complicated natching harness. Boom suspension rods give 8 times greater suport—no more sagging booms. "Lock-Tite" no-tilt saddle bracket. Box-girder brackets for precision element alignment. Completely reassembled. Less mast, lead-in. 10 lbs.
2 CZ 594. *$5 Monthly*.................................23.51

MODEL GC GOLD-CORODIZED STACKING KIT

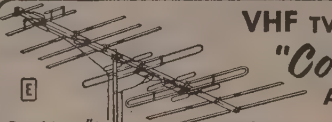
For stacking two GB-8s for increased gain. 1 lb.
2 CX 087...1.82

MODEL T-AMB TV-FM TRANSISTORIZED BOOSTER/COUPLER

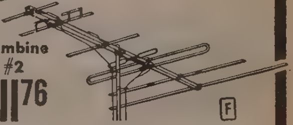
$\$21^{27}$ $5 monthly

mproves reception in fringe and weak-sigal areas, and permits signal distribution o up to 4 TV or FM sets. Gain with one M set is 12 db @ 108 mc, 15 db @ 88 mc. With one TV set, gain is 8.5 db on channels -13, 15 db on channel 6, and 17 db on chanels 2-5. 1⅜x2¼x3″. For 110-120 v., 60 ycle AC. Shpg. wt., 1½ lbs.
1 C 276. *$5 Monthly*...............21.27

VHF TV AND FM "*Combine*" ANTENNAS



Combine #3
$\$21^{95}$
$5 monthly



Combine #2
$\$11^{76}$

VHF-TV and FM antennas—all in one. Maximum gain through "Fidelity Phased" colinear design. For color or black-and-white reception—highly directive, flat response, high front-to-back ratio. Gold-corodized for complete weather protection. Oversize boom of extra-heavy gauge aluminum; 8 times stronger suspension. Self-locking, self-aligning box-girder element brackets. Heavy reinforced sleeve elements (300% greater strength). Aluminum screws and nuts at vital contact points. Lifetime polystyrene insulators. Snap-out assembly. (Require 2 lead-ins.)

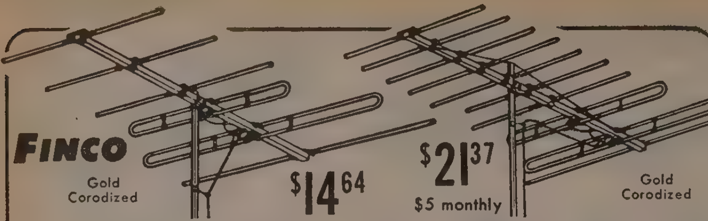
E COMB-3C—TV TO 85 MILES, FM TO 75 MILES

Twenty twin-elements for TV (15 for channels 7-13, 5 for 2-6). Twin-phase 4-element yagi for FM. 8-ft., 4-in. boom. Less mast, lead-ins. 8 lbs. Truck or express.
92 CU 373. *$5 Monthly*..........................21.95

F COMB-2C—TV TO 60 MILES, FM TO 45 MILES

Fourteen elements for TV (10 for ch. 7-13, 4 for 2-6). 3-element yagi for FM. 5-ft., 10-in. boom. Less mast and lead-ins. Shpg. wt., 5 lbs. Truck or express.
92 CU 370.....................................11.76

FM Antennas and Accessories



FINCO

Gold Corodized

$14⁶⁴

MODEL FM-4G ANTENNA

Deluxe gold corodized 6-element FM antenna. Twin driven elements with impedance control "T" match stubs, offer high gain across entire FM band, 88 to 108 mc. "Geomatic" design provides outstanding front-to-back ratio. Sturdy square aluminum boom, 7', 9" long. Double wall aluminum elements. "Lock-Tite-No-Tilt" saddle mounting and "box girder" snap out brackets are ready for quick, easy installation. Less antenna mast and 300-ohm twin-line lead in. Shpg. wt., 6½ lbs. Shipped express or truck.
92 CZ 503. .... 14.64

$21³⁷

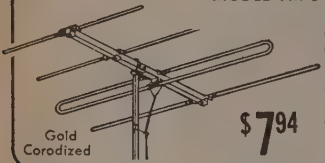
$5 monthly

Gold Corodized

MODEL FM-5 ANTENNA

Superb 10-element FM antenna for peak FM reception in remote and weak signal areas. "Geomatic" design—twin-driven elements and precisely-spaced directors for high gain across the 88-108 mc FM band. Gold-corodized finish resists weathering. Rigid 10-ft. long square-type boom has suspension-type bracing. All elements are sleeve-reinforced, lock into open position in "snap-lock" brackets. Self-aligning brackets and double-wall aluminum elements are preassembled. Less mast and 300-ohm twin lead. 8½ lbs. Express or truck.
91 CZ 329. *$5 Monthly*............ 21.37

MODEL FM-3 4-ELEMENT FRINGE-AREA ANTENNA

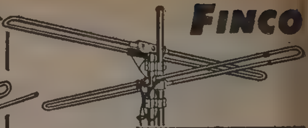


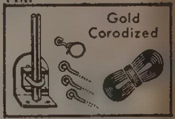
Gold Corodized

$7⁹⁴

Features a highly directive 4-element yagi design for outstanding gain on the FM band. All-aluminum construction with square boom, 5' 10" in length. Folded dipole driven element for closer impedance matching and maximum energy transfer. Double wall reinforced elements have snap-out brackets. Elements lock in open position—preassembled for easy installation. Less mast and 300-ohm twin lead. Gold corodized 5 lbs. Express or truck.
92 CU 281 .... 7.94

FINCO





Gold Corodized

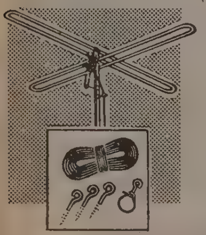
$7⁷⁸

MODEL FMT-A ANTENNA KIT

- Improves Distant FM Reception
- All-Directional Pickup Pattern
- Gold Corrodized for Long Life
- Mounts on Your Present TV Mast
- All Hardware Supplied

Features a ruggedly constructed, preassembled turnstile-type all-directional antenna that requires no rotation. Supplied with special bracket for simple installation on your present TV mast—there's no need for an additional mast. The two antenna elements are accurately matched with a special quarter-wave phasing stub for optimum gain and all-direction radiation pick-up pattern. Provides strong reception over the entire FM band. Kit includes: FM antenna, 50-ft. twin line, two mast insulators, 3 screw-in insulators, mounting bracket. Less mast. Shpg. wt., 6 lbs.
91 CX 330 .... 7.78

KNIGHT® FM TURNSTILE ANTENNA KIT

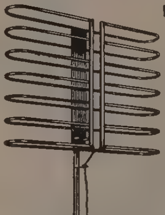


$6⁴⁵

- For Superb FM Reception
- Ideal for Stereo FM Too
- Comes With All Hardware

Low price, top quality. Turnstile-type antenna has 2 extruded aluminum folded dipoles at right angles for all-directional, wide-band response. Requires no rotation. You get: antenna; 5-ft. mast; 50-ft. 300-ohm lead in; universal base; standoffs. Shpg. wt., 7¼ lbs.
92 CX 583 .... 6.45
92 CX 590. Antenna Only. Less accessories. 3 lbs. 4.35

B&K/MARK STEREO 7 FM ANTENNA

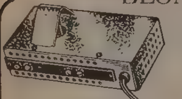


$14⁹⁷

- Doubles Signal Power
- Broadband Design
- Omnidirectional Pickup

Ideal for stereo FM. Folded dipoles provide sensitive broadband pickup, equally strong in all directions. All extra heavy-duty welded aluminum-alloy construction for extremely long life—no insulators to break. Only 22x30x5½"—readily mounted in attic or on roof. Fits any mast. With hardware, less mast and lead in. 6 lbs.
92 CX 439 .... 14.97

BLONDER-TONGUE

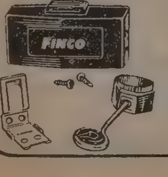


$14²⁶

MODEL FMB FM ANTENNA BOOSTER

Insert between outdoor antenna and FM receiver. Boosts strength of stereo FM and mono FM signals. Uses a high-gain, low-noise 6HA5/EC900 tube for 18 db gain with 3.8 db noise figure. Compact unit is easy to install anywhere indoors. Has screw terminals for stripless connection to 300-ohm antennas. 6¼x3¾x2½". For 110-120 v., 60 cycle AC. Shpg. wt., 1½ lbs.
91 C 190 .... 14.26

FINCO

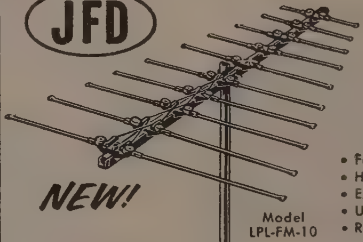


3007 FM BAND-PASS FILTER

$3⁹⁸

Blocks all but 88-108 mc. Ends TV station, CB, Ham and other interference to FM. Installs in antenna line near FM radio. 1½x4¼x2". 5 oz.
91 C 191 .... 3.98

JFD



NEW!

Model LPL-FM-10

SERIES LPL-FM LOG PERIODIC FM ANTENNAS

as low as $17⁶¹ 6 Element Antenna

- For Best Fringe-Area FM Reception
- Higher Gain than Ordinary FM Arrays
- Excellent Front-to-Back Signal Ratio
- Uniform Response Across Entire Band
- Reinforced Elements and Boom

Log periodic antennas for 88-108 mc FM band. "L" dipole design gives higher gain than other arrays of similar size, plus flat response across entire band, excellent front-to-back ratio. Reinforced gold-alodized aluminum elements. Use 300-ohm twin-lead, 1¼" masts (not supplied).

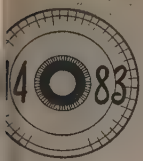
LPL-FM-10. 10-element log periodic antenna consists of 5 "L" cell elements and 5 directors on a 10-ft. boom. Up to 150-mile fringe-area reception range; 16 db forward gain—56% better than ordinary 10-element yagis; plus excellent 20-db front-to-back ratio. Shpg. wt., 10 lbs. Shipped express or truck.
91 CZ 186 .... 29.37

LPL-FM-8. 8-elements—5 "L" cells, 3 directors on 8' boom. 125-mile range; 14 db gain; 20 db front-to-back ratio 8 lbs. Express.
91 CZ 192 .... 23.49
LPL-FM-6. 6 elements—5 "L" cells, 1 director on 6-ft. boom. 100-miles; 10 db gain; 18 db front-to-back ratio. 6 lbs. Express.
91 CZ 188 .... 17.61

Depend on Allied for Complete Stocks, Lowest Prices, Prompt Service

UHF TV Equipment by BLONDER TONGUE

IT'S EASY AND INEXPENSIVE TO CONVERT TO UHF . . .



As new TV stations go on the air, most will be on UHF. These 70 channels (14-83) open up a new world of programming. Any VHF TV set can be easily equipped to receive UHF. Choose a UHF antenna and converter, make a few simple external connections, then sit back and watch enjoyable new programs.

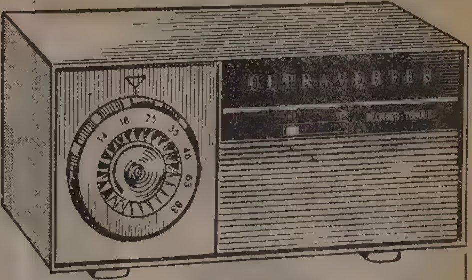
BTX-99 TRANSISTOR UHF CONVERTER

ULTRAVERTER

$19⁴⁵
$5 monthly

- It's Transistorized for Extremely Low Noise Level
- Adds All 70 UHF Channels to Your Present VHF Set
- Stripless Screw Terminals For Easy Installation

All-transistor unit adds UHF TV channels 14-83 to your present VHF set. Gives you sharp, clear picture in local reception areas (within 20 miles of TV station). Balanced input and output match 300-ohm twin line. Stripless screw terminals for fast, easy hookup. Attractive modern cabinet, 3x6⅜x3¾". For 110-120 v., 60 cycle AC. U.L. Listed. Wt., 3 lbs.
91 C 184-G. *$5 Monthly*..............19.45

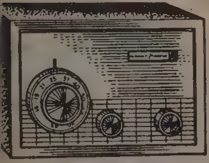


MODEL BTX-11 ALL-TRANSISTOR UHF BOOSTER/CONVERTER

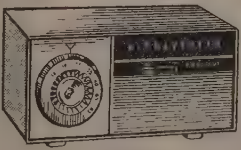
$29⁷⁹
$5 monthly

- Adds All 70 UHF Channels To Your Present VHF TV Set
- Amplifies UHF Signals For Greater Reception Range
- Stripless Screw Terminals for Fast Installation
- Attractive Cabinet Styling Complements Any TV Set

Tune in the new TV stations as they become available in your area. This deluxe converter-booster adds all 70 UHF channels to your standard VHF TV receiver. Converts UHF signals to Channel 5 or 6 (whichever is unused in your area) of your TV set. Easy to install, connect converter to antenna terminals of your TV set, connect VHF and UHF antennas to converter. Uses sensitive all-transistor circuitry to provide high signal-to-noise ratio for sharp, clear picture and top-quality sound—even in difficult weak-signal reception areas. Calibrated dual-speed vernier dial helps you pinpoint UHF stations. Offers instant change from UHF to VHF; exact 300-ohm inputs and outputs for maximum gain; stripless screw terminals for fast, easy installation. 13 db gain. Pilot light; AC convenience outlet. Attractive modern cabinet. Size, 3x6⅜x3¾". For 110-120 v., 50-60 cycle AC. U.L. listed. Shpg. wt., 3 lbs.
91 C 185-G. *$5 Monthly* 29.79



BTU-2T



BTD-44

MODEL BTU-2T 2 TUBE UHF CONVERTER/BOOSTER

$26⁴¹
$5 monthly

- Amplifies TV Signals Almost 3 Times
- At Least 8 Db Gain on All UHF Channels
- Stripless Terminals for Easy Installation

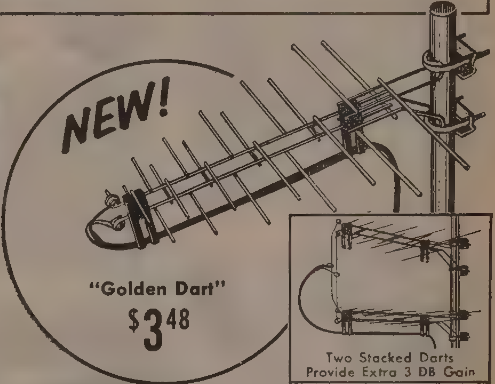
dds all UHF channels (14 to 83) to your present TV receiver—en in the most difficult reception areas. Built-in amplifier makes HF signals almost 3 times stronger. Utilizes a low-noise, high-in frame-grid amplifier tube, double-tuned input stage and ielded oscillator section for drift-free, distortionless performance. alibrated dial and vernier knob for smooth, dual-speed tuning. ripless screw-type input and output terminals for standard 300-m twin lead. Smartly styled cabinet, only 6¾x5x4¾". Has pilot ght and AC outlet. For 110-120 v., 60 cycle AC. U.L. listed. pg. wt., 4½ lbs.
C 364-G. *$5 Monthly*..............................26.41

MODEL BTD-44 BATTERY POWERED UHF CONVERTER

$12⁹⁴

- Uses Tunnel Diode for Maximum Reliability
- Cordless Power for Lowest-Cost Operation
- Fine-Line Cabinet Adds to Decor of Any Room

dds all UHF channels (14 to 83) to channel 5 or 6 of your present V receiver. Offers solid-state circuitry, cordless power, popular ice. Gives you sharp, undistorted pictures in the prime signal eas (within 20 miles of TV station). Solid-state transistor ciritry uses a tunnel diode for maximum reliability. Also features sy, positive tuning. Modern cordless power—uses one flashlight ttery that lasts up to 9 months—costs less to operate than any C-powered converter. Stripless 300-ohm terminals. Size, 3x6⅜x¼". Less battery. Shpg. wt., 3 lbs.
C 324-G...............................12.94
J 867. "D" Cells. Wt., 14 oz.................. **Pkg. of 4 for 52¢**



"Golden Dart"
$3⁴⁸

Two Stacked Darts
Provide Extra 3 DB Gain

"GOLDEN DART" ALL-CHANNEL UHF ANTENNA

- Provides 10 db Average Gain Across Entire UHF Band
- Employs Famed Periodic Antenna Design Principle
- Welded Steel Construction with Gold-Iridite Finish

Delivers uniform, peak performance on all UHF channels 1483. Uses periodic principle—recognized as today's most modern approach to TV antenna design. Employs 11 elements to deliver average of 10 db gain, matched impedance and a uniform polar pattern across the full UHF spectrum. Maintains an excellent front-to-back ratio of more than 20 db. Elements are arranged to provide a narrow forward beam for sharpest directivity, minimizing ghosts and other interference. Extremely low 2:1 VSWR prevents other causes of ghosts and picture smearing. An excellent impedance match on all channels assures high uniform gain on all channels—±1 db across the entire band, ±½ db within any channel. Completely pre-assembled—just take it from the box, mount it, connect the lead-in, and it's ready to use. Stripless screw-type terminals provide secure connection to 300-ohm twin lead. Polypropylene standoffs guide lead-in to preserve impedance match. All-welded steel construction with gold-iridite finish. Only 2½" high, 17" long, with 13⅞" longest element—mounts on existing VHF antenna mast. With 2 U-bolts. 2 lbs.
91 CX 494-G...............................3.48
91 C 497. Stacking Harness. For stacking two Dart antennas. Gives 3 db extra gain. Shpg. wt., 1 lb..............................93¢

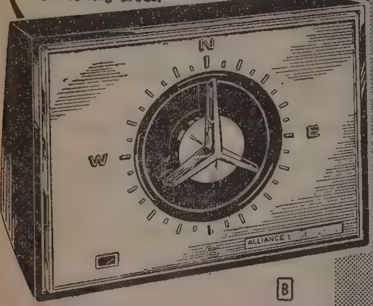
se Your Allied Credit Account to Add UHF Equipment

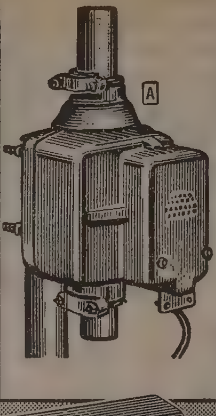
Famous-Name Television Antenna Rotators

alliance

FOR BETTER "ALL AROUND" VIEWING

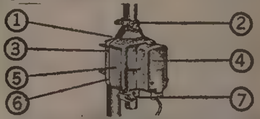
Get maximum signal strength—from every station—for the clearest reception possible! Precise directional controls give you top performance in all viewing areas.





WHY BUY AN ANTENNA ROTATOR?

A rotator lets you orient your antenna so that you can receive stations from *every* direction. You actually "aim" your antenna for peak reception from *each* station. Also aids in reducing interference, helps tune out "ghosts" in difficult reception areas. Easy to install—regular antenna mast clamps into electrically driven rotator shaft. Weatherproof rotator connects to control unit at your receiver.



DELUXE CONSTRUCTION AND FEATURES:

1. In-Line Mast Mounting 2. Two Mast-Clamps 3. Weatherproof Housing 4. All Moving Parts Lubricated for Life 5. Die-Cast Aluminum 6. Direct Worm-Screw Drive 7. Cadmium-Plated Hardware

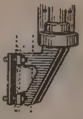
B A C-225 TRANSISTORIZED AUTOMATIC ROTATOR SYSTEM

All-Transistor Control Unit U.L. Listed $\$35^{25}$

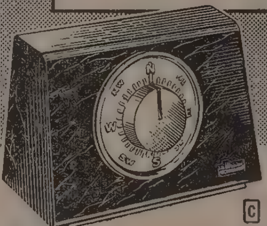
- "Automatically" Aims Antenna in Direction You Set for TV or FM Stations

Pulls in more stations with a stronger, clearer picture! Set dial on control unit and motor assembly rotates your antenna to exact point you desire. Patented phase-sensing device provides fine "tuning" and maintains synchronization. Silent, positive action through 360° cycle. Instantly reversible motor has magnetic brake. Corrosion resistant rotor. Control unit is in handsome 2-tone plastic cabinet. Less 5-conductor cable, at right. For 110-120 v., 60 cycle AC. Shpg. wt., 12 lbs.
91 CX 512-G. *$5 Monthly*........**35.25**

MODEL TBB2 THRUST BEARING BRACKET



For use with heavier-type antennas. Minimizes strain on rotators by relieving them of antenna weight. Also protects gears against severe lateral strain. Shpg. wt., 3 lbs.
91 C 246 ....**2.91**

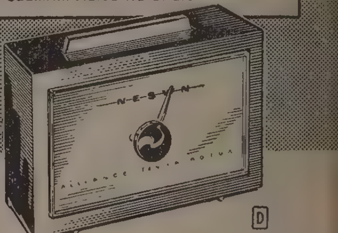


C A U-100 AUTOMATIC SYSTEM

$\$28^{20}$

- Weather-Proofed Rotor
- Set the Dial—Antenna Stops Automatically

An exceptionally rugged unit to point antenna in any direction for maximum signal strength. 8 compass points—just set the dial—antenna stops when desired direction is reached. Compact rotator (7¾x5¼x8), weather-sealed and factory lubricated for life. 1-rpm motor reverses instantly; magnetic brakes prevent overshoot and drifting. Automatic control unit has mahogany plastic cabinet, 7x4½x4". U.L. Listed. Less 4-wire cable, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 12 lbs.
92 CX 442. *$5 Monthly*..........**28.20**
92 CX 443. Above, but Ivory Case....**29.18**



D A NEW T-45 MANUAL SYSTEM

$\$23^{55}$

- Sturdy, Heavy-Duty Rotor
- Instant Reverse Action
- Stylish Control Unit

Heavy-duty antenna rotor with stylish, meter-type control box. Touch-bar on top of control unit permits instant forward or reverse action. Depress right end of bar, antenna rotates clockwise; depress left end of bar, counter-clockwise. Meter pointer indicates antenna direction as it rotates. When you obtain maximum picture clarity, release pressure on bar to stop antenna. Attractive mahogany plastic case, 4½x6½x2½". U.L. Listed. Less 5-wire cable, below. For 110-120 v., 50-60 cycle AC. 12 lbs.
91 CX 555. *$5 Monthly*..........**23.55**
91 CX 554. With Ivory Case..........**24.53**

CABLES FOR ALLIANCE ROTATORS

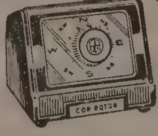
4-CONDUCTOR CABLE. For use with U-100 systems. Wt., per 100', 3 lbs.
91 C 237. 100-Ft. Coil................**2.19**
91 CX 241. 250-Ft. Coil................**4.49**

5-CONDUCTOR CABLE. For C-225 and T45 rotator systems. Wt., per 100', 2½ lbs.
91 C 513. 100-Ft. Coil..............**2.65**
91 CX 515. 250-Ft. Coil..............**6.49**

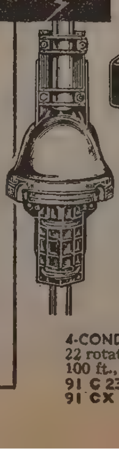
CDE Cornell-Dubilier Antenna Rotators

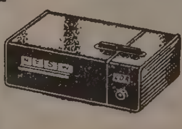
AUTOMATIC ROTATOR SYSTEM MODEL AR-22

$\$31^{31}$



Features heavy-duty antenna rotator and AR-22 fully automatic control unit. Use it with antennas weighing up to 150 lbs. Extremely simple to operate; just set control unit pointer to desired direction—weather-sealed motor rotates antenna to this position and stops. Magnetic brake prevents overshoots. Dial is marked in 8 compass points: N, S, E, W, NW, NE, SW and SE. Control unit cabinet of attractive brown plastic, with rubber feet to protect TV set finish. Requires 4-wire cable. Takes up to 2" masts. For 110-120 v., 50-60 cycle AC. 14 lbs.
92 CX 150-G. *$5 Monthly*..........**31.31**





MANUAL ROTATOR SYSTEM MODEL TR-2C

$\$28^{37}$

- Fingertip Control
- Light-up Direction Indicator
- Ideal for Amateurs and CB'ers as well as TV-FM
- Control Unit Shows Direction of Rotation

Features heavy-duty rotator for TV antennas weighing up to 150 pounds, same as used with Model AR-22 at left, and TR-2C illuminated compass-type control box. Operates directly—simply depress bar lever on control box to start antenna moving, stop it, or reverse direction. Responds instantly. Illuminated letters indicate direction antenna is traveling. Has attractive, shock-proof plastic cabinet. Less cable; requires 8-conductor cable listed below. Reversible clamps on rotator unit takes up to 2" masts. For 110-120 v., 50-60 cycle AC. Shpg. wt., 16 lbs.
91 CX 236. *$5 Monthly*..................................**28.37**

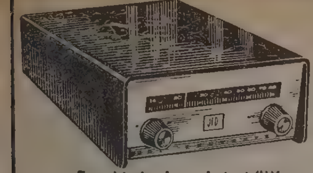
CABLES FOR CDR ROTATORS

4-CONDUCTOR CABLE. For use with AR-22 rotator system, at left. Shpg. wt., per 100 ft., 3 lbs.
91 C 237. 100-Ft. Coil..............**2.19**
91 CX 241. 250-Ft. Coil..............**4.49**

8-CONDUCTOR CABLE. For use with TR-2C rotator control unit, above. Shpg. wt., per 100 ft., 3 lbs.
91 C 243. 100-Ft. Coil..............**4.19**
91 CX 247. 250-Ft. Coil..............**10.95**

NEW! CRI-J UHF-TV CONVERTER

JFD



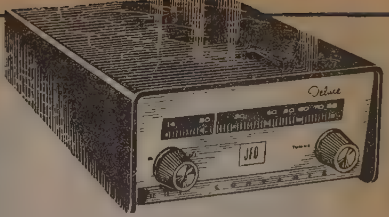
$\$19^{95}$

$5 monthly

Transistorized . . . Instant "Warmup"

Converts any VHF TV set to also receive UHF channels (14 through 83). Connect it with just a screwdriver. Illuminated dial. Charcoal-color plastic cabinet, 6x7x2½". 300 ohms. For 110-120 v., 60 cycle AC. From Italy. Shpg. wt., 3½ lbs.
91 C 519. *$5 Monthly*.......................**19.95**

CR2-J UHF-TV TRANSISTORIZED CONVERTER/ BOOSTER

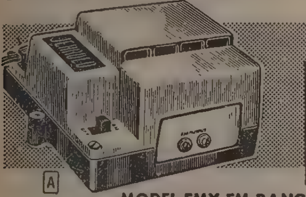


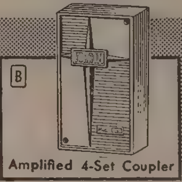
$\$27^{95}$

$5 monthly

Adds channels 14 to 83 to your present TV set, and boosts UHF signals by 10-12 db. 2-transistor (plus diode) circuit provides excellent reception, even in many fringe areas. The "no heat" transistor circuit offers drift-free performance and extremely low power-consumption. 300-ohm input and output. Illuminated channel scale for convenient tuning. Modern styling—walnut plastic case with gold-color panel. Only 6x7x2½". From Italy. For 110-120 v., 60 cycle AC. Shpg. wt., 3½ lbs.
91 C 216. *$5 Monthly*...**27.95**

Jerrold TV-FM Distribution Systems and Equipment





Amplified 4-Set Coupler

MODEL FMX FM RANGE-EXTENDER

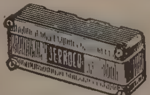
A Low-noise, high-gain preamplifier boosts FM signals. Ideal where reception of fringe-area stereo multiplex or regular FM broadcasts is desired. Provides a minimum of 20 db gain. Can feed up to four FM sets when used with external couplers MF-2 or MF-4 (described below). High-gain 6DJ8 frame-grid tube ensures stable performance, long life. Serrated "no-strip" terminals for easy secure connections to 300-ohm twin-lead. Hook it up in just minutes. Two-tone, light-alloy case, 4½x4½x3". For 110-120 v., 60 cycle AC. Shpg. wt., 3¼ lbs.
91 C 086...**18.95**

"INDOOR SUPER-POWERMATE" AMPLIFIED TV COUPLER

B **MODEL TA-66.** Four-set, two-transistor coupler. Lets you use a single antenna to feed high-gain signals to up to 4 TV sets. Improves reception of weak, distant stations without introducing interference from stronger local stations. Terminals are arranged so two or three sets may be connected instead of four, increasing gain with each reduction. With four sets, gain is 7.5 db on channels 2-6, and 5.6 db on channels 7-13. With two sets, 10.5 db on 2-6, and 8.6 db on 7-13. Plastic case, 7³⁄₁₆x4³⁄₁₆x1⅞". For 110-120 v., 60 cycle AC. Shpg. wt., 1½ lbs.
91 C 217 *$5 monthly*..**22.49**

91 C 218. Model TA-24. Similar to above, but with one-transistor circuit. For four TV sets. Gain is 3.2 db on channels 2-6, and 4.6 db. on 7-13. Shpg. wt., 1 lb...**16.63**

VHF/UHF TV AND FM COUPLERS



- Run 2, 3, or 4 Sets from 1 Antenna
- Extremely Low-Loss
- Positive Matching
- No Twin-Lead Stripping—Easy Installation

Offer full isolation between AC-DC sets and antenna. 300 ohms. Weatherproof polystyrene ivory case. 4⅛x1⅜x1¼".
91 C 230. M-2. For UHF and strong VHF-TV/FM; 2 sets.**2.06**
91 C 149. MF-2. For fringe VHF-TV/FM; 2 sets.............**2.70**
91 C 150. MF-4. For VHF-TV/FM; 3 or 4 sets...............**3.45**

FM-TV ANTENNA SPLITTER

- Universal Mounting
- "No-Strip" Connections

MODEL TX-FM. FM-TV Antenna Splitter For FM reception from a TV broadband antenna. Not a coupler, the Antenna Splitter is a compact triple-tuned band-pass filter which cleanly separates the FM and TV signals, and with a negligble loss of 1 db sends only the FM signal to the FM receiver and the TV signal to the TV set. 4¼x1¾x1³⁄₁₆". Shpg. wt., 4 oz.
91 C 143...**3.87**

Use your Allied Credit Fund
to up-date and improve your television
reception. Low monthly payments—
24 months to pay.

NEW! "SUPER POWERMATE" TV ANTENNA PREAMP

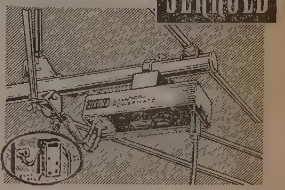
JERROLD

SPM-102

$\$29^{35}$

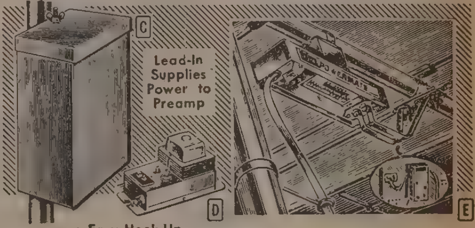
$5 monthly

Two Transistors for High Gain, Extremely Low Noise-Figure



MODEL SPM-102. VHF-TV preamplifier with excellent gain and overload characteristics. Greatly strengthens signals from distant stations without interference from strong local stations. Provides gain of up to 15.6 db. Excellent noise figure and very flat frequency response for crisp, clear pictures—0.6 db on channels 2-6, 0.2 db on channels 7-13. Preamp mounts directly on antenna boom for maximum transfer of energy before lead-in losses can occur. Remote power supply has dual outputs, mounts on set. 300 ohms. Preamp, 2¼x6¼x3⅜"; power supply, 4¾x3¼x1¼". For 110-120 v., 60 cycle AC. Wt., 2 lbs.
91 C 231. *$5 Monthly*.............................. **29.35**

91 C 235. Model SPC-103. As above, but 75 ohms for use with coaxial cable. Excellent for color reception—imperceptible signal distortion or loss. Remote power supply has 75-ohm or 300-ohm output (switch selected). 2 lbs....**31.33**



Lead-In Supplies Power to Preamp

- Easy Hook-Up

"DE-SNOWER" TV-FM ANTENNA-MOUNTING PREAMPLIFIER

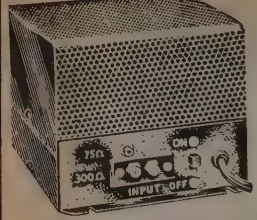
C **D** **MODEL DSA-132.** Deluxe preamp for use in fringe areas, or as a distribution amplifier. Offers 25-db gain for VHF-TV. Gives you good reception of very weak signals. Mounts atop antenna mast—boosts signal, not noise. Input, 300 ohms; output, 75 or 300 ohms. Weatherproof case. Preamp, 5x10¼x7¼"; power supply, 2⅞x6¾x5⅛". With hardware. For 110-120 v., 60 cycle AC. Shpg. wt., 13 lbs.
92 CX 095. *$5 Monthly*.......................................**71.70**

ALL-TRANSISTOR ANTENNA-MOUNTING PREAMPLIFIER

E **MODEL APM-102 "POWERMATE."** High-gain preamp (up to 18 db) with low-noise transistor circuit. For fringe and weak-signal areas—boosts signal, not noise. Dual outputs feed two TV or FM sets (with couplers at left, up to five sets). Waterproof case. "No-strip" terminals. Imp., 300 ohms. Preamp, 2¼x6¼x3⅜"; power, 4¾x3¼x1¼". For 110-120 v., 60 cycle AC. 1½ lbs.
91 C 370. *$5 Monthly*.......................................**26.63**

TV-FM Distribution Systems

BLONDER-TONGUE



Operates Up to 50 TV Sets and FM Radios

MODEL HAB VHF AMPLIFIER

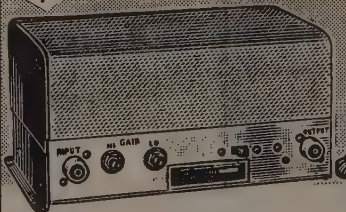
$48.65

- Provides Brighter and Sharper TV Pictures
- For Homes, Apartment Buildings, Hotels

Efficient, high-gain VHF television and FM amplifier. Increases signal voltage by at least 18 times—provides more than 25 db gain on all channels from 2 to 13, and on the FM band. Gain of high and low TV bands can be varied independently. Ideal as a preamplifier for home or small master TV antenna systems. Permits brighter, sharper pictures and increases number of TV stations set can pick up. Uses one 6DJ8 and two 6EJ7 tubes to provide highest signal-to-noise ratio, maximum reliability and long life.

Features stripless 300-ohm terminals and 72-ohm solderless coax connectors for input and output—can use 300-ohm twin line or 72-ohm coaxial cable.

In compact, sturdy, ventilated metal cabinet. 6x5¾x4⅜". For 110-120 v., 60 cycle AC. Shpg. wt., 4½ lbs.
91 C 170. *$5 Monthly*............**48.65**



MLA-FM VHF-TV and FM AMPLIFIER

$105.35

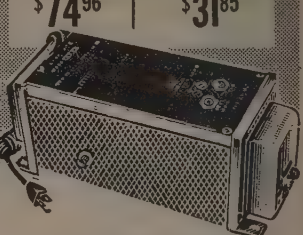
- Provides 40 db Gain
- Operates Up to 150 TV and FM Sets

"Masterline" signal amplifier. Offers an effective signal boost of 40 db on all VHF-TV channels from 2 to 13, plus the entire FM band. Install in coax line to single TV set, or use with antenna distribution system to feed up to 150 TV or FM sets from a single antenna. May be cascaded for added gain when extremely long lines are used.

Maximum fidelity for color TV as well as black-and-white sets. Gain adjustable on high and low bands. Cascode circuits ensure minimum noise. 75-ohm coax input and output connectors. 7 tubes. Perforated metal cabinet. 9x6x5". For 110-120 v., 60 cycle AC. 9 lbs.
91 C 437. *$5 Monthly*........**105.35**

MODEL MLA-C. As above, but covers VHF TV only. Shpg. wt., 9 lbs.
91 C 365. *$5 Monthly*..........**92.95**

Pacemaker	Pacemaker Jr.
$74.96	$31.85



"PACEMAKER" VHF-TV AND FM SIGNAL AMPLIFIER

- Provides Excellent Fidelity—Use it for Color or Black-and-White TV, and FM Radio Reception
- Operates Up to 100 TV and FM Sets

Broadband amplifier for use with TV and FM sets. Brings very weak signals up to full strength for brighter, sharper TV pictures, and better signal-to-noise ratio from FM radios. Minimum gain is 35 db for TV channels 2 through 13, and 30 db on the entire FM band.

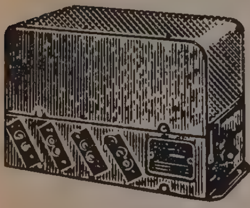
Separate antenna inputs are provided for high TV band, FM, and low TV band—jumper permits combined high-low FM input for use with all-band antennas. Conservatively rated for long, trouble-free use. Noise level better than 6 db down for low band and FM; 7 db down for high band. Output: 2 volts, all bands.

Unit is well ventilated, completely covered and tamper-proof. Coaxial input and output connections. Size, 4¾x12x4". For 110-120 volts, 60 cycle AC. Shpg. wt., 5 lbs.
91 C 255. *$5 Monthly*........**74.96**

"PACEMAKER JR." VHF-TV AND FM AMPLIFIER

Low-cost version of the "Pacemaker" model described above. Ideal signal amplifier for small apartment-type installations. Provides a signal boost of at least 10 db on both high and low VHF-TV bands; 8 db minimum gain across entire FM band. Up to 30 sets. 3¼x7¾x2¾". Shpg. wt., 3½ lbs.
91 C 415. *$5 Monthly*.........**31.85**

MODEL DA8-b VHF-TV DISTRIBUTION SYSTEM



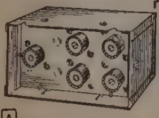
Booster and Distribution System For Use With up to 8 TV Sets

$63.25

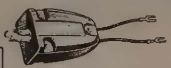
- Low-Noise, All-Triode Circuit
- 22-db Isolation Between Outputs
- Provides 10-db Gain to Each Set

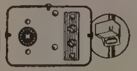
Versatile, combination booster and isolation-distribution system for up to 8 TV sets. For small apartment buildings, hotels, motels, etc. 22 db minimum isolation between outputs. Provides 10 db gain to each TV set for sharp, clear pictures. System overload is prevented through a 10-1 gain control range. Has inputs and outputs for 75- or 300-ohm line. One of the outputs may be used to feed another DA8-b to permit hook-up of additional TV sets. Includes power supply, terminating resistors and grounding clamp. Screw terminals. 5x9x5½". For 110-120 v., 60 cycle AC. Shpg. wt., 6 lbs.
91 C 248. *$5 Monthly*..............................**63.25**

DISTRIBUTION SYSTEM ACCESSORIES

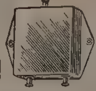


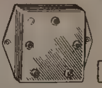
NEW!

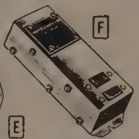


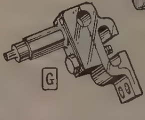


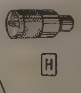
For Easy Installations











(A) MDC-4 SPLITTER. Weather-protected for outdoor use. 4-way hybrid type—separates or combines signal from 1—75-ohm coax (such as RG-59/U, RG-11U) into 4—75-ohm cables. 3x3x2". Wt., 1 lb.
91 C 347......................**33.81**

91 C 348. MDC-2B Splitter. As above, but 2-way type. Shpg. wt., 8 oz.........**9.36**

(B) "CABLEMATCH" TRANSFORMER. Use indoors. Matches 72-ohms to 300-ohms. Surface mtg. 2½x1½x1". ¼ lb.
91 C 402.........................**1.86**

(C) MBb MATCHING TRANSFORMER. Weatherproof VHF-TV/FM balun for mast or boom. Matches 300-ohm lines to 75-ohms. 3¼x2⅛x3". ½ lb.
91 C 271.......................**5.96**

(D) TS-772 SPLITTER. For indoor use. Splits 75-ohm coaxial cable (such as RG-59/U) into two separate 75-ohm lines. Low-loss hybrid type. Can also be used to combine two coaxial cables into single cable. 2x2x1¼". 8 oz.
91 C 422...........................**3.48**

(E) TSB-774 SPLITTER. Similar to Model TS-772 splitter above, but splits 75-ohm coaxial cable into four separate 75-ohm coaxial lines. For indoor use only. 2x2x1¼". Wt., 8 oz.
91 C 423............................**4.90**

(F) MLF AC LINE FILTER. 60-db RF line-to-amplifier isolation. 2 AC receptacles. Surface mtg. 5½x2x1¼". ½ lb.
91 C 267..........................**12.49**

(G) MT-11 TV CABLE TAPOFF. Weatherproof, spliceless tap for use with RG-11/U cable. 17 db isolation. With installation tool. 75-ohm coax output. 6 oz.
91 C 115.........................**4.41**

NEW TS-731 MATCHING TRANSFORMER. For indoor use. 75-ohm impedance input to single non-isolated 300-ohm output. For RG-59/U coax cable. Surface mounting. 2¼x2¾x1⅛". Wt., ¼ lb.
91 C 349..........................**2.60**

(H) P-59T MALE CONNECTOR. For use with "Masterline" Model MLA-C signal amplifier. Fits RG-59/U cable. 3 oz.
91 C 438..........................**1.08**

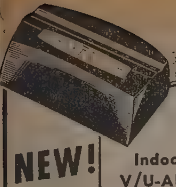
91 C 075. P-11S Connector. As above, but for RG-11/U coax cable. 3 oz.......**1.08**

Television Accessories Are Available on Allied's Credit Fund Plan

BLONDER TONGUE Boosters

Obsolescence-Proof . . .

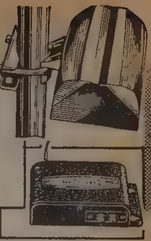
Covers All Future TV Channels, plus All Present Channels!



NEW! Indoor V/U-ALL2 **$26.95**

Amplifies All TV Channels—Both UHF and VHF . . . Improves Color and Black-and-White Reception. . . Low-Power, High-Gain Transistor Circuitry

Mast-Mount U/VAMP-2 **$32.58**



V/U-ALL2 UHF-VHF INDOOR BOOSTER/COUPLER

Delivers sharp, clear TV reception. Can be used with a single set, or two sets. For use with all-channel TV receivers, or VHF receivers with UHF converters. Built-in FM filter prevents "overload" by local FM stations. 2-transistor circuit draws so little power that unit need never be turned off. Input accepts combined UHF/VHF signals of 300-ohms impedance. Output is two combined signals at 300-ohms. Excellent impedance match and set isolation. Easily installed. "Tuck-away" size, only 2⅞x4x1⅝". Shpg. wt., 1 lb.

91 C 342-G. *$5 Monthly*............................26.95

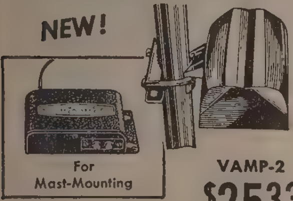
U/VAMP-2 FOR MAST-MOUNTING

2-transistor amplifier is easily mast-mounted for best signal-to-noise ratio. Use it with new or older sets. Low-power consumption—unit need never be turned off. Indoor remote power supply has single UHF/VHF output, 300-ohms. Separate inputs for UHF and VHF antennas allow use of best antenna for each band. Filter prevents "overload" caused by local FM stations. Cast-aluminum weatherproof housing for outdoors. Amplifier size, 2⅞x4x1⅝"; power supply, 2⅞x4⅞x1⅜". Shpg. wt., 1½ lbs.

91 C 343-G. *$5 Monthly*............................32.58

TRANSISTORIZED VHF BOOSTERS

NEW!



VAMP-2 **$25.33**

VAMP-2 2-TRANSISTOR VHF PREAMP. Powerful 2-transistor circuit brings in sharp pictures and brightens black-and-white reception. Excellent for color TV. Pulls-in weak channels without "overloading" in presence of strong TV or FM stations. Provides 10-15 db gain. Can be used with one or two TV sets. Features low-power drain, low-noise, low-heat, no tubes to replace. Easy installation—amplifier mounts on any mast with "miracle-mount" in seconds; uses stripless screws. Remote power supply is easily positioned at the set. Amplifier, 2⅞x4x1⅝"; remote, 2⅞x4⅞x1⅜". Shpg. wt., 1½ lbs.

91 C 344............................25.33

91 C 345. VAMP-2-75. As above, but for 75-ohm cable. 300-ohm input eliminates need for separate balun. Single 75-ohm output can be split to handle 8 or more TV sets. Shpg. wt., 1½ lbs.................28.96

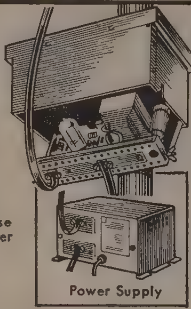
VAMP-1 1-TRANSISTOR VHF PREAMP. Boosts signal up to 4 times—8 to 12 db gain. For one set. Clears up weak pictures. Rugged, weatherproof amplifier is mast-mounted for best signal-to-noise ratio. Solid-state circuitry draws very little power. Remote power supply is easily installed at set. Amplifier, 2⅞x4x1⅝"; remote, 2⅞x4⅞x1⅜". Shpg. wt., 1½ lbs.

91 C 346-G............................16.76

MODEL AB-3 DELUXE TV-FM AMPLIFIER

$76.93

- 25 db Gain on TV and FM Bands
- High Signal-to-Noise Ratio for Greater Sensitivity
- Fully Automatic
- Mast-Mounting



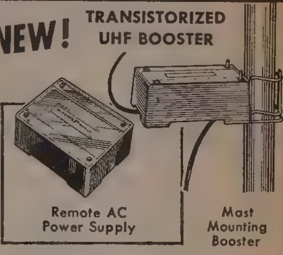
Antenna-mounting amplifier provides 25 db gain on all VHF TV channels 2 through 13, and the FM broadcast band (88 to 108 mc). Increases signal voltage by at least 18 times to offer enough signal power for crisp, stable TV pictures even in many weak-signal areas—excellent for color reception.

May be mast-mounted on antenna a full mile away from set and AC power source (when open lead-in is used). Installation of AB-3 amplifier at antenna permits amplification of signal with no increase in line noise from lead-in. Power to amplifier travels through lead-in—no separate power line is needed. Operation is automatic—amplifier turns on and off at RP-3 remote power supply. Easy to install—stripless terminals for 300-ohm line, solderless-type for 75 ohm.

300-ohm balanced input; 300 and 75-ohm outputs for use with either twinlead or coaxial cable. Efficient broadband circuit with frame-grid 6DJ8 tube provides highest signal-to-noise ratio with maximum reliability. Sizes: amplifier, 7¾x5⅜x5¼"; power supply, 6¾x3¾x4¼". For 110-120 volts, 60 cycle AC. Shpg. wt., 7 lbs.

91 C 159. *$5 Monthly*............76.93

NEW! TRANSISTORIZED UHF BOOSTER



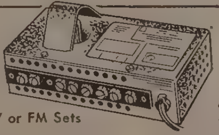
- 2-Transistor Circuit
- Low Power Drain . . Minimum Maintenance
- Triples Signal Strength
- For One Set

$26.41

MODEL ABLE-U2. Provides the power needed to bring in weak channels, yet does not "overload" strong channels. Average gain of 10 db triples signal strength. Offers maximum signal-to-noise ratio for clear, strong TV pictures. Transistor-circuit produces uniform, high-gain across entire UHF band, channels 14 to 83. "Miracle Mount" snaps onto antenna mast—amplifier slips over prongs for fast, secure installation. Remote power supply plugs into AC outlet—draws so little power it can be left on continuously. 300-ohm balanced input and output. Size of amplifier and power supply, each 1⅝x2⅞x4". For 110-120 v., 60 cycle AC. Wt., 1¼ lbs.

91 C 508............................26.41

$16.90 Excellent for Color TV



- Efficient Low-Noise Circuit
- Operates Up to 4 VHF/TV or FM Sets

4-SET TV-FM BOOSTER-COUPLER

MODEL B24-C. Boosts signal strength of VHF stations up to 10 db when using 1 set, up to 5 db with 2 sets, ensures each TV or FM set of receiving more than 90% of signal power when used with 4 sets. Broadband circuit requires no tuning. Stripless terminals for easy installation. 300-ohm input/output. 3¾x6¼x2½". For 110-120 v., 60 cycle AC. 1½ lbs.

92 C 342............................16.90

$13.96 Amplifies Antenna Signal

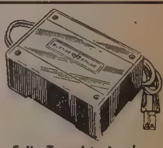
- Increases TV Signal 2½ Times
- Handles 2 VHF/TV or FM Sets

2-SET TV-FM "AMPLI-COUPLER"

MODEL B-42. Budget-priced booster and coupler with high-gain, low-noise circuitry. When used for one set it more than doubles the antenna signal 7 to 9 db, with 2 sets each receives more signal than would be supplied by the antenna without booster. Stripless terminals. 300-ohm input and output. 3¾x6¼x2½". For 110-120 v., 60 cycle AC. Wt. 1½ lbs.

91 C 478............................13.96

Delivers amplified signals for up to 4 VHF sets on same antenna.



$19.55

- Fully Transistorized

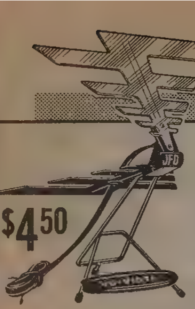
IT-4 TV-FM BOOSTER-COUPLER

Low-cost TV-FM booster for the home. Amplifies antenna signal 3 to 6 times—for up to 4 TV and/or FM sets. All-transistor circuit ensures low power drain, noise-free signals, minimum maintenance. Isolated outputs prevent interaction of sets, provide true 300-ohm impedance to each set. Input impedance matched to antenna's—no balun needed. Easy to install, uses stripless terminals. Needs no adjustment. Size, 1½x6¼x3¼". For 110-120 v., 60 cycle AC. Shpg. wt. 1 lb.

91 C 261............................19.55

Indoor UHF-VHF and VHF TV Antennas

JFD

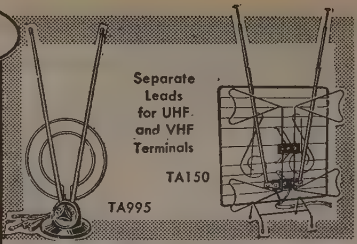


$4.50

NEW!
UHF ANTENNA
MODEL LPT-100

- Indoor Antenna Featuring Famous Log-Periodic Design
- More Gain—Flat Response—Sharper Pictures

Adapts outdoor Log-Periodic concept for unusually fine indoor UHF antenna performance. Trapezoid design offers more gain than loop or stacked bowtie. Provides better impedance match, requires no tuning or special adjustment. Sharp and uniform directivity patterns help eliminate ghosts and interference. Low Standing Wave Ratio and stabilized 300-ohm impedance ensure better UHF pictures regardless of station frequency. Gold alodized aluminum and polished brass. 10x13x14″. With twin lead. Shpg. wt., 3 lbs.
91 C X 550........................4.50

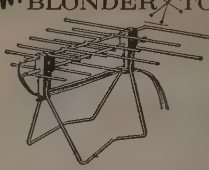


UHF-VHF INDOOR TV ANTENNAS

MODEL TA995 "ASTRO-JET." Polished solid brass 4-section 38″ dipoles and UHF loop with 6-position selector switch. Tip-proof, padded plastic base. With separate leads for UHF and VHF. Wt., 2 lbs.
91 C X 551..........................3.11

MODEL TA150 "SONATA." Utilizes stacked bowtie for UHF; 4-section 38″ dipoles for VHF. Polished brass. With separate leads for UHF and VHF. 3 lbs.
91 C X 552..........................4.65

NEW! BLONDER TONGUE

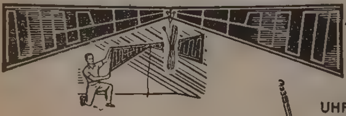


$2.65

NEW! "GOLDEN ARROW" INDOOR UHF TV ANTENNA

- High Gain on All UHF Channels
- For Color and Black-and-White

Periodic design using 10 working elements for constant high gain and matched impedance on channels 14-83. Excellent front-to-back ratio of 20 db allows pinpoint orientation of antenna to eliminate or reduce ghosts. Full bandwidth, flat response offers sharp black-and-white reception and true-fidelity color pictures. Preassembled welded elements. 13½x13¼x1¾″. With 300-ohm line. Shpg. wt., 1½ lbs.
91 C X 323..........................2.65



"BRITE SITE" TV/FM ANTENNA

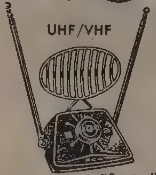
$2.45

- Covers Entire VHF-TV and FM Bands
- Easy Installation
- Can be Concealed

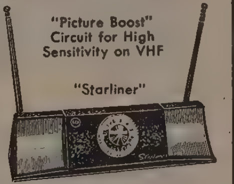
Actually a full-sized conical antenna projected on a flat surface 52x12″ in size. Unique printed-circuit design—antenna-elements are deposits of finely powered pure silver in plastic binder, imprinted on a flexible, fibrous sheet. Let's you install antenna in attics, ceilings; mount on walls; set under sofas, etc. Just put it in position that provides the best reception, and tack it in place. Can be used up to 30 miles from VHF-TV or FM stations. Complete and ready to use. Includes 10-ft. 300-ohm lead-in line. Shpg. wt., 1¾ lbs.
92 C 418..........................2.45

RCA

INDOOR UHF/VHF AND VHF-TV ANTENNAS



"Sentry"



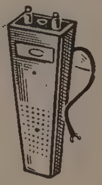
"Picture Boost" Circuit for High Sensitivity on VHF

"Starliner"

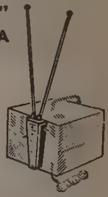
UHF-VHF "SENTRY." Radar-coil design provides increased gain for black-and-white or color TV. Telescoping 4-section brass arms extend to 46″. 12-position selector switch permits adjustment for best reception. With 6-ft. lead-in (not separate UHF-VHF leads). Wt., 2½ lbs.
92 C X 436. Mahogany Color..........5.35
92 C X 437. Walnut Color..........5.35

VHF "STARLINER." For excellent metropolitan reception. 12-position selector switch. 4-section brass arms telescope to 46″. With 6-ft. line, lugs. 14x4x3½″. Wt., 2½ lbs.
92 C X 419. Mahogany Color..........6.95
92 C X 423. Walnut Color..........6.95

"HIDE-A-WAY" VHF ANTENNA

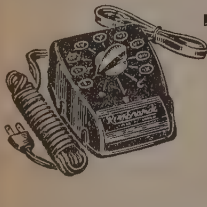


$1.71



- Mounts Behind TV Set
- For Channels 2 to 13
- 2 Telescoping Element
- Rotate a Full 360°

Compact, plastic-cased "hide-a-way" antenna assembly. For excellent metropolitan area reception of all VHF channels. Direct replacement for type of antenna supplied by original manufacturers on many portable TV sets. Telescoping elements are made of durable, nickel-plated brass tubing, mounted on ball-joint swivels. Rotate 360° for best reception of each channel. 5-section elements extend to 37″; retract out of sight into housing when not in use. With 300-ohm twin-line, lug-tipped for easy installation. Shpg. wt., 1 lb.
91 C 484..........................1.71



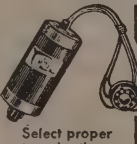
REMBRANDT TV CLARIFIER

Attach It Yourself in 60 Seconds

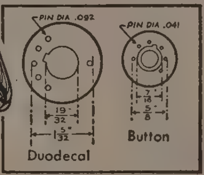
$5.95

Handy device improves VHF reception on channels 2 through 13 by amplifying the pickup power of your antenna. Helps filter out ghosts and interference, clears up snowy pictures. 12-position switch selects proper antenna elements for clearest picture from any direction without having to rotate antenna assembly. For 110-120 v., 60 cycle AC or DC. Complete with 5-ft. of 300-ohm twin-line. Shpg. wt., 2¼ lbs.
91 C 209..........................5.95

PICTURE TUBE BRIGHTENERS FOR LIKE-NEW TV



Select proper type by these dimensions →



No rewiring—handy plug-in design

"KURE-ALL" by ANCHOR

MODEL UK-200. Duodecal Base. Extra-versatile picture tube restorer. Corrects cathode-heater and cathode-control grid shorts, open cathodes and control grids, plus low emission, or any combination of these. Switch permits isolation of parallel or series filaments, with either normal or boosted voltage. May be used for either electrostatic or electromagnetic focus tubes. With instructions for easy connection. 1 lb.
91 C 104..........................3.90

"BRITENERS" by PERMA-POWER

MODEL C-202 AUTOFORMER TYPE. Duo Decal Base. Adds life to aging picture tubes when dimness is due to low cathode-emission—returns brightness and contrast to picture. For all sets having parallel or series-wired filaments. Use on black-and-white picture tubes, 8″ or larger. Boosts filament power 50%. Does not relieve cathode-filament shorts. Shpg. wt., 8 oz.
91 C 204..........................2.20

MODEL C-212 110° AUTOFORMER TYPE. Button Base. Picture tube brightener for 110° tubes with button base. Boosts filament power 50%. For parallel or series-wired filaments. Does not relieve cathode-filament shorts. Shpg. wt., 8 oz.
91 C 205..........................2.20

MODEL C-501 AUTOFORMER TYPE. For Color Tubes. Provides increased filament voltage to boost emission of any round 21″ 3-gun tube to restore color fidelity and improve picture contrast. Shpg. wt., 1 lb.
91 C 227..........................5.73

Selected TV Couplers, Arresters and Twin Line

ANTENNA COUPLERS/SPLITTERS

AC20, 22, 60, 40

3014, 3015

JFD OUTDOOR/INDOOR TV-FM ANTENNA COUPLERS

Efficient couplers featuring ultra-low-loss ferrite core transformer design for excellent inter-set isolation of 12 db. Insertion loss, less than 1 db. Impedance, 300 ohms. Wt., 1 lb.

91 C 524. AC 20. Separates 1 lead-in to separate UHF and VHF lead-in, or combines separate UHF-VHF antennas to 1 lead-in 3.09
91 C 527. AC22. For 2 UHF/VHF TV sets from one antenna. 5.26
91 C 525. AC60. For 3 VHF TV/FM sets from one antenna. . 2.65
91 C 526. AC40. For 2 VHF TV/FM sets from one antenna. . 2.35

FINNEY VHF-UHF TV COUPLER-SPLITTERS

"Finco" top-performance units with filter networks and low insertion loss design. Impedance, 300 ohms. Shpg. wt., 8 oz.

91 C 528. 3014 VHF-UHF Coupler-Splitter.................. 2.50
91 C 529. 3015 UHF 2-Set Coupler-Splitter.................. 2.50

JFD LIGHTNING ARRESTERS

AT102 Flat-Line

AT104 Rotator-Mount

AT105S Universal Type

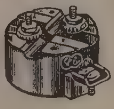
91 C 530. AT102 Flat-Line Arrester. For all ribbon-type twin-lead. Has special retaining flange, waterproof body. With hanger strap. 4′ ground wire, hardware. U.L. Approved. Wt., 15 oz.......... 1.76
91 C 110. AT105S Universal Arrester. Can be mounted on mast or pipe. For flat, tubular and open-wire lead. With hanger strap, saw-toothed screw terminals. U.L. Approved. Wt., 13 oz.......... 88¢
91 C 109. AT104 Arrester for Rotator Installations. Handles 4-wire lead-ins. 8 precision-spaced teeth make positive contact with conductors. With ground lug. U.L. Approved. Wt., 15 oz........ 1.30

RADIO LIGHTNING ARRESTER

Moisture-Proof Porcelain

For series insertion in single-wire antenna lead-in of radios. Between hexnut terminals. Long leakage path. U.L. Approved. 6 oz.
91 C 091................................ 25¢

G-C TELCO TV LIGHTNING ARRESTER



TYPE 8642. Low-cost unit for protection of TV sets. For use with round, oval, flat or open lines. Toothed contacts make firm connection. Single-screw mounting. U.L. Approved. 6 oz.
91 C 082................................ 73¢

BLONDER TONGUE TV/FM COUPLERS

U-V/2 TWO-SET UHF/VHF COUPLER

NEW!

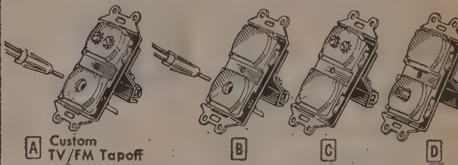
Hybrid splitter-coupler covering all TV channels 2-83. Designed to take combination UHF/VHF lead-in to 2 TV sets, each with 1 set of common VHF/UHF terminals. High isolation between outputs. Well-suited for color TV—uses ferrite transformers—negligible insertion loss. 1¼x2⅞x2¼". Wt., 6 oz.
91 C 544.......................... 1.96

COUPLERS FOR VHF, UHF, COLOR-TV AND FM

Feature excellent isolation, low insertion loss, no-strip terminals for easy installation. A-104 feeds 4 VHF sets from one antenna or mixes 4 antennas into one line. A-105 connects low/high-band VHF antennas to set with one line. A-107 combines VHF/UHF antennas or provides separate VHF/UHF outputs from one line. Color-4 uses transformers for optimum color performance. Impedance, 300 ohms. Size, 1¼x2⅞x2¼". Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Description	Isolation	Loss	EA.
91 C 078	A-102	2-set VHF-TV/FM	12 db	3.0 db	1.96
91 C 076	A-104	4-set VHF-TV/FM	12 db	7.5 db	2.94
91 C 079	A-105	Hi-low VHF-TV	21 db	0.5 db	3.04
91 C 432	A-107	UHF-VHF TV	15 db	0.5 db	3.09
91 C 431	Color-4	4-set VHF-TV/FM	14-26 db	6.5 db	6.27

"VERSA-TAP" SYSTEM JACKS



Mount flush in standard AC outlet boxes. Any number of tap-offs can be ganged to meet needs of any MATV system. Through line-loss per output of 0.7 db. 17-db isolation except §27 db. With one output connector: *solderless auto-plug, †strapless screw, ‡Benconector. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Fig.	Output (Ohms)	EACH
91 C 546	V-3156-17	A	TV. 75/FM, 300§	3.23
91 C 547	V-1P17*	B	75	2.11
91 C 548	V-1S17-X†	C	75	1.96
91 C 549	V-1M17‡	D	300	2.60

BELDEN 300-OHM AND 72-OHM TWIN LINE

300-OHM TWIN LINE

E TYPE 8225. 7x28 stranded copper conductors. Flat polyethylene jacket, 58-mil web thickness. Wt., 1¾ lbs. per 100 ft.
91 C 440. 25′ Coil................ .71
91 C 441. 50′ Coil................ 1.11
91 C 442. 75′ Coil................ 1.40
91 C 443. 100′ Coil............... 1.62
91 CX 531. 250′ Coil.............. 3.97
91 CX 532. 500′ Coil.............. 7.35

E TYPE 8230. Weldohm design for increased strength and conductivity. 7x28 stranded, copper coated steel wire. 70-mil web. 2 lbs. per 100 ft.
91 C 444. 25′ Coil................ .82
91 C 445. 50′ Coil................ 1.25
91 C 446. 75′ Coil................ 1.67
91 C 447. 100′ Coil............... 2.09
91 CX 533. 250′ Coil.............. 5.15
91 CX 535. 500′ Coil.............. 9.99

F TYPE 8275. UHF-VHF. Ideal for color TV. Cellular polyethylene core, inert gas-filled. Polyethylene jacket. 7x28 copper-coated steel cond. 3½ lbs. per 100.
91 C 448. 50′ Coil................ 2.35
91 C 449. 75′ Coil................ 3.38
91 C 450. 100′ Coil............... 4.19
91 CX 536. 250′ Coil.............. 10.54
91 CX 537. 500′ Coil.............. 20.97

300-OHM (Cont'd)

G TYPE 8235. 300-ohm, oval twin line. Low loss type for both UHF-VHF use. Copper-coated, 7x26 steel wire conductors. 185-mil web thickness. 100-ft. minimum. Wt., per 100 ft., 4½ lbs.
91 C 451. 100′ Spool.............. 4.70
91 CX 538. 500′ Coil.............. 20.58

H TYPE 8285. Low-loss 300-ohm UHF-VHF. Recommended for color TV. 22-gauge (7x30) copperweld cond. Polyethylene insulation and webbing. Cellular polyethylene jacket. Outside diameter, ¼x¹⁵⁄₃₂". Shpg. wt., per 100 ft., 3½ lbs.
91 C 452. 50′ Coil................ 2.79
91 C 453. 75′ Coil................ 4.12
91 C 454. 100′ Coil............... 5.29
91 CX 539. 250′ Coil.............. 13.23
91 CX 540. 500′ Coil.............. 24.29

72-OHM TWIN LINE

J TYPE 8222. 72 ohms. 7x28 stranded copper conductors. Brown polyethylene jacket. .075x.128" outer diameter. 100-ft. minimum. Shpg. wt., per 100 ft., 1¼ lbs.
91 C 455. 100′ Spool.............. 1.62
91 CX 541. 500′ Coil.............. 7.35

KNIGHT 300-OHM TWIN LINE

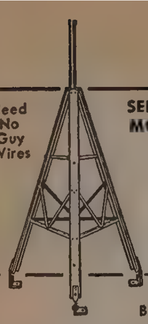
K UHF-VHF TWIN LINE. Perfect for UHF and color TV. Cellular polyethylene core, inert gas-filled. 7x28 copper-coated steel cond. Polyethylene jacket. 3½ lbs. per 100 ft.
91 C 498. 50′ Coil................ 1.59
91 C 499. 75′ Coil................ 2.29
91 C 501. 100′ Coil............... 2.98
91 CX 503. 250′ Coil.............. 7.29
91 CX 504. 500′ Coil.............. 13.95

L VHF-TV TWIN LINE. Excellent service at a moderate cost. 80-mil web thickness. Polyethylene jacket No. 20 stranded conductors. Shpg. wt., 100 ft., 2 lbs.
91 C 475. 50′ Coil................ .59
91 C 476. 75′ Coil................ .84
91 C 477. 100′ Coil............... 1.09
91 CX 542. 250′ Coil.............. 2.79
91 CX 543. 500′ Coil.............. 5.29

M UHF-VHF OPEN LINE. 300-ohm. Designed to meet critical requirements of UHF installations. Loss 0.5 db per 100 ft. at 200 mc. Shpg. wt., per 100 ft., 2¼ lbs.
91 C 473. 100′ Coil............... 2.17
91 CX 474. 250′ Coil.............. 4.89

TV Antenna Towers, Mounts, Masts

Need No Guy Wires



SERIES RM ROOF MOUNT TOWERS

as low as **$6.74**

- Fit Any Roof
- Easy to Install
- Long Lasting

Made from Beaded Channel Leg Material

Self-supporting; no guys needed when securely anchored to roof. 3 hinged feet fit any roof; antenna is assembled and "walked-up" into place. Galvanized, beaded steel channel withstands rough weather. Packages include tower with mast and mast kit (RM4 and RM8 less mast). Mast recesses 2 feet into tower. Permit antenna heights of 10 ft. or 14 ft. above roof. Shipped knocked down, assemble quickly and easily. With complete instructions.

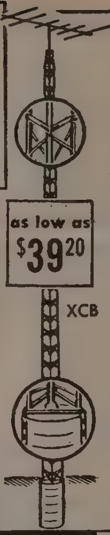
F92 CZ 358. RM4-8. 4-ft. tower, 8-ft. mast, mast kit. 23 lbs.........8.99

F92 CZ 359. RM4. 4-ft. tower, mast kit. 16 lbs....................6.74

F92 CZ 364. RM8-8. 8-ft. tower, 8-ft. mast, mast kit. 35 lbs..........14.93

F92 CZ 365. RM8. 8-ft. tower, mast kit. 28 lbs.....................12.68

SPAULDING



as low as **$39.20**

SERIES XCB CYLINDER-BASE STRATO-TOWERS

Need No Concrete Foundation—Set into Cylinder Base

Lightweight, high-strength, self-supporting towers. Assemble on ground or vertically. Special "culvert base" for quick, one-man installation. All-riveted 100% galvanized steel. Top holds any rotor. With base, adjustable hinge feet, 8-ft. mast and factory-assembled 8-ft. tower sections.

Stock No.	Type	Ant. Ht.	Sections	Lbs.	EACH
F92 CZ 294	X28CB	23'	2	122	39.20
F92 CZ 295	X36CB	31'	3	149	59.69
F92 CZ 058	X44CB	39'	4	174	68.07
F92 CZ 059	X52CB	47'	5	219	83.20
F91 CZ 832	X60CB	55'	6	282	96.65

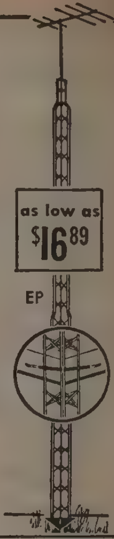
SERIES EP "ECONOMY-PACK" STRATO-TOWERS

Easy to Install on Ground or Roof-Top

Include listed quantity of 8-ft. zinc-plated steel tower sections, ground plate with stakes, 8-ft. mast kit. Mount with house bracket or roof mount (not supplied), below. Require guying if roof-mounted or over 16 ft. above house bracket.

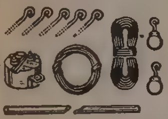
Stock No.	Type	Ant. Ht.	Sections	Lbs.	EACH
F92 CZ 542	EP-1	14'	1	28	16.89
F92 CZ 541	EP-2	22'	2	51	24.84
F92 CZ 540	EP-3	30'	3	71	31.26
F92 CZ 535	EP-4	38'	4	90	39.08
F92 CZ 534	EP-5	46'	5	109	46.91
F92 CX 543	EP-R1	Roof Base		2	3.10
F92 CX 544	EP-H1	House Bracket		5	3.90

as low as **$16.89**



Note Spaulding towers are shipped truck F.O.B. Frankfort, Indiana. No. C.O.D. orders —send full remittance or use Allied's Credit Fund Plan. Send full shipping address —no Post Office box numbers. Shipping charges collected on delivery.

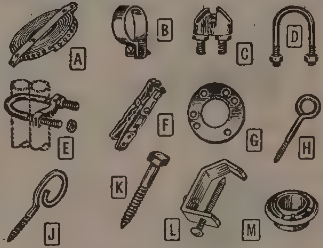
VHF ANTENNA INSTALLATION KIT



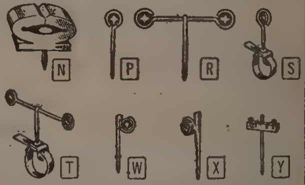
With Masts **$3.27**

Three 3' galvanized mast sections; 100' twin line; lightning arrester; 5 screw-in, 2 mast standoffs; 20' ground wire. 7¾ lbs.

92 CX 018..................3.27



STAND-OFF INSULATORS FOR ANY TV LEAD-IN



A **HANGER STRAP.** Mounts masts to odd-shaped objects. ¾" perforated galvanized steel strapping. 12' coil. 1 lb.
91 C 107...................Each 35¢

B **RING CLAMP.** Supports guy ring on mast. Corrosion-resistant steel. Provides slip-proof grip. Fits mast O.D. shown below. Pkg., 3 oz. 5 per pkg.
91 C 120. ¾"-1"...........Per Pkg. 25¢
91 C 121. 1"-1¼"...........Per Pkg. 26¢

C **CABLE CLAMP.** Provides non-slip grip on guy wire ends. Fits cables to 3/16" dia. 7/8 x 7/16". Pkg., 4 oz. 2 per pkg.
91 C 404...................Per Pkg. 28¢

D **U-BOLT.** Galvanized steel. With nuts and washers. Fits masts to 1½" O.D. Pkg. wt., 4 oz. 2 per pkg.
91 C 122...................Per Pkg. 19¢

E **MAST CLAMP.** Tight-grip yoke. For 2 masts, max. O.D. 1⅜" each. Galvanized steel. Pkg., 4 oz. 2 per pkg.
91 C 123...................Per Pkg. 34¢

F **ANTENNA CLIP.** Clips lead-in to antenna termls. Pkg., 10 oz. 4 per pkg.
91 C 405...................Per Pkg. 39¢

G **GUY RING.** Rests on ring clamp. For 1¼" O.D. masts. Pkg., 10 oz. 5 per pkg.
91 C 124...................Per Pkg. 30¢

H **CLOSED HOOK EYE.** Anchors guys. 5" long. Pkg., 10 oz. 5 per pkg.
91 C 126...................Per Pkg. 23¢

J **OPEN HOOK EYE.** Anchors guy wires. Screws into wood. Galvanized steel. Pkg., 10 oz. 5 per pkg.
91 C 125...................Per Pkg. 22¢

K **LAG BOLTS.** Heavy cadmium-plated steel. ¼" diameter shank. Rigidly secure mounts, bases, etc. to wood, brick and other surfaces. Pkg., 5 oz. 10 per pkg.
91 C 117. 1½" Long.......Per Pkg. 42¢
91 C 118. 2" Long.........Per Pkg. 47¢

L **GROUND CLAMP.** For secure connection to water pipes up to 1¼" dia. Screw terminal for ground wire. 4 oz.
91 C 433. Pkg./2...........Per Pkg. 24¢

M **FLOATING GUY RING.** Cast aluminum. Fastens with set screw. Permits guyed mast to be rotated. Takes 3 or 4 guys on any mast to 1⅜". 8 oz.
91 C 244...................Each 1.15

91 C 245. As above, but for masts up to 1¾" O.D. Wt., 9 oz...............Each 1.21

N **WALL STAND-OFFS.** Secure twin-lead to baseboards, walls, etc. Pack-in type. Pkg., 10 oz. 10 per pkg.
91 C 119...................Per Pkg. 44¢

P **UNIVERSAL STAND-OFFS.** For any TV lead-in. Polyethylene insulation. Screw-in type. Pkg., 10 oz. 5 per pkg.
91 C 127. 3½" Long........Per Pkg. 14¢
91 C 128. 5½" Long........Per Pkg. 17¢
91 C 129. 7½" Long........Per Pkg. 23¢

R **DOUBLE STAND-OFFS.** Wood-screw type holds two leads. For any TV lead-in. Pkg., 10 oz. 5 per pkg.
91 C 132. 3½" Long........Per Pkg. 47¢
91 C 133. 5½" Long........Per Pkg. 52¢
91 C 134. 7½" Long........Per Pkg. 54¢

S **STRAP-TYPE SINGLE STAND-OFFS.** Mount on mast. For any lead-in. Fits up to 3" masts. Pkg. wt., 6 oz. 3 per pkg.
91 C 137. 3½" Long........Per Pkg. 23¢
91 C 138. 5½" Long........Per Pkg. 24¢
91 C 139. 7½" Long........Per Pkg. 31¢

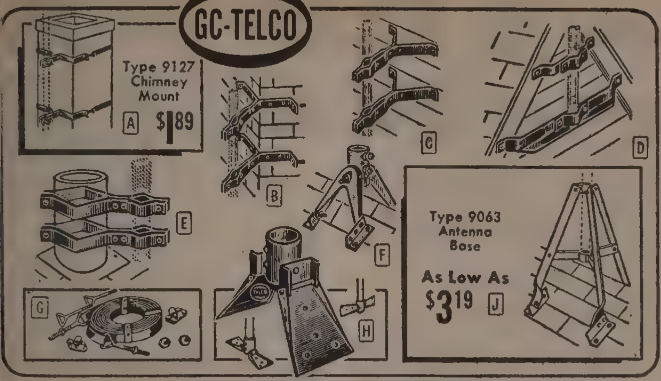
T **STRAP-TYPE DOUBLE STAND-OFFS.** As above, but hold two lead-ins. Clamp up to 3" mast. Pkg., 8 oz. 3 per pkg.
91 C 135. 3½" Long........Per Pkg. 33¢
91 C 136. 7½" Long........Per Pkg. 48¢

W **DRIVE-IN STAND-OFFS.** For all types lead-in. 3½" long. Pkg., 5 oz. 5 per pkg.
91 C 130...................Per Pkg. 17¢

X **UNIVERSAL HOT NAIL STAND-OFFS.** For any lead-in. Hold in wood or mortar. No starting hole is needed. 3½" long. Pkg., 4 oz. 5 per pkg.
91 C 131...................Per Pkg. 42¢

Y **OPEN LINE STAND-OFFS.** Slotted for 300, 450 or 600-ohm lines. 5½" nail-type. Pkg., 5. 5 oz. 5 per pkg.
91 C 141...................Per Pkg. 68¢

and Installation Accessories



TV ANTENNA MOUNTS

All G-C mounts are zinc or dichromate dipped to resist rust and prevent roof discoloration.

A **9127 CHIMNEY MOUNT.** Sturdy mount for economy antenna systems. Has stainless steel strappings. Brackets are heavy-gauge steel, zinc-plated and dichromate-dipped for long life. Can be installed in minutes. Withstands high wind and most severe weather conditions. Easily adjusted for snug, firm grip. For masts up to 1¾″ dia. With 2—10-ft. straps and hardware. Shpg. wt., 4 lbs.
91 C 113........................**1.89**

B **8930 CHIMNEY MOUNT.** Snap-in type. For masts to 1¾″ O.D. Steel brackets zinc-plated, dichromate-dipped. 2—12-ft. stainless-steel straps. 4 lbs.
91 C 242........................**2.24**

C **8308 SNAP-IN WALL MOUNT.** Secures mast 8″ from wall. Mast snaps in. Heavy-gauge plated steel. One-man installation. For masts to 1¾″ O.D. 2 **per pkg.** 4 lbs.
91 C 250..................**Per Pkg. 1.53**

91 C 249. Type 8306. As above, holds mast 6″ from wall. 2½ lbs..................**1.08**

8324 HEAVY-DUTY MOUNT. Above, holds mast 24″ from wall. Bracket legs spaced 16″ apart to match studs of homes. Heavy-gauge steel zinc-plated and dichromate-dipped. For masts to 1¾″ O.D. 10 lbs.
92 CX 130........................**3.58**

92 CX 129. Type 8318. Above, 18″ wall clearance. 7 lbs........................**2.69**

91 C 256. Type 8312. Above, 12″ wall clearance. 5 lbs........................**1.87**

D **8933 EAVE MOUNT.** Mounts antenna mast on building eaves, 48″ lower bracket straddles building. Top bracket mounts on peak. Zinc-plated and dichromate-dipped. For masts to 1¾″ O.D. 7 lbs.
92 CX 504........................**3.69**

E **8803 VENT PIPE MOUNT.** Clamps to any pipe or vent from 4″ to 6″ in diameter. Perfect for antenna installations where chimney is inaccessible. Heavy-gauge steel. For all masts up to 1¾″ diameter. Zinc-plated and dichromate-dipped for rust protection. 2 **per pkg.** 3 lbs.
91 C 351..................**Per Pkg. 1.54**

F **9060 "NO-GUY" ROOF MOUNT.** Steel and cast-iron base for up to 10-ft. mast. Needs no guys. Legs adjust to roof angle. For masts to 1½″ dia. 5 lbs.
91 C 251........................**2.67**

G **8932 CHIMNEY MOUNT REPAIR KIT.** 2—12-ft. stainless-steel straps with eye bolts, nuts, clamps. 2 lbs.
91 C 114........................**1.94**

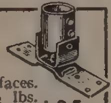
H **9021 HINGED ROOF MOUNT.** For peaked or flat roofs, walls. Extra heavy-gauge steel. For masts to 1½″, 3 lbs.
91 C 381........................**1.08**

J **9063 ANTENNA BASE.** For masts of 10 ft. or more and up to 1½″ O.D. Eliminates guy wires in most installations. Set-screws anchor mast and permit orientation. Electro-galvanized and dichromated. 2 ft. high. Shpg. wt., 6½ lbs.
92 CX 040........................**3.19**

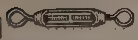
92 CX 043. 9144 Base. As above, 3 ft. high; made of 1″ electro-galvanized steel tubing. Shpg. wt., 8½ lbs..................**3.89**

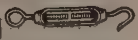
92 CU 044. 9143 Base. Like Type 9144, but 5 ft. high. 15 lbs..................**6.49**

UNIVERSAL SWIVEL MOUNT. For telescoping masts (above, right). For flat, slanted, peaked horizontal or vertical surfaces. Fits masts to 2⅜″. 2½ lbs.
92 C 536..................**1.25**



GUY WIRE TURNBUCKLES

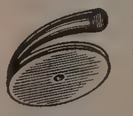

K


L

Heavy-duty cast aluminum turnbuckles for easy adjustment of guy-wire tension. Types illustrated in Fig. K are for use where quick removal is not required. All others can be easily disconnected. Shpg. wt., per pkg., 8 oz. 4 **per pkg.**

Stock No.	Fig.	Closed	Open	PER PKG.
91 C 407	L	5½″	7⅝″	.59
91 C 408	L	6¾″	9¼″	.89
91 C 409	L	7½″	10½″	1.29
91 C 410	K	5½″	7⅝″	.59
91 C 411	K	6¾″	9¼″	.89
91 C 412	K	7½″	10½″	1.29

COPPERWELD ANTENNA WIRE



Durably made wire excellent both for antennas and for guying antenna towers and masts. Features copper outer conductor bonded to a steel core. Choice of sizes from 12 to 18 gauge.

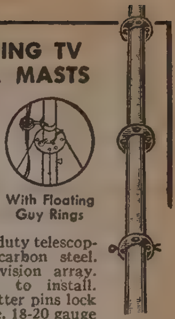
Stock No.	Gauge	Feet	Lbs.	PER ROLL
91 C 357	12	100	2	2.69
91 C 358	12	250	5	6.30
91 C 359	14	100	1½	2.37
91 C 360	14	250	3	5.12
91 C 361	18	250	2	1.47
91 C 362	18	500	3	2.94

Note Antennas, Towers or Masts with U or Z in Stock No. Shipped Separately by Express or Truck Only From Our Maywood, Illinois Warehouse.

TELESCOPING TV ANTENNA MASTS

20-Ft. Mast **$4.30**

50-Ft. Mast **$13.35**


With Floating Guy Rings

50-FT. MAST. Heavy-duty telescoping mast of high-carbon steel. Ideal for any television array. Exceptionally easy to install. Husky bolts and cotter pins lock each section in place. 18-20 gauge high-carbon steel tubing with 1¼-oz. per inch zinc plating inside and out. Consists of 5 mast sections; O.D.: #1 (1¼″). #2 (1½″). #3 (1¾″). #4 (2″). #5 (2¼″). Floating guy-ring permits rotating mast and antenna for best reception. With all hardware and instructions. 39 lbs.
92 CZ 103 ....**13.35**

40-FT. MAST. Consists of 4 rugged sections (see sizes listed above): Nos. 1, 2, 3, and 4. Maximum height, 40 feet. 29 lbs.
92 CZ 102..................**9.75**

30-FT. MAST. Consists of 3 rugged sections: Nos. 1, 2, and 3 described above. Maximum height, 30 feet. 21 lbs.
92 CZ 101..................**6.95**

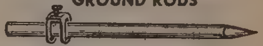
20-FT. MAST. 2 sections: Nos. 1 and 2 above. Max. height 20 feet. 14 lbs.
92 CZ 100..................**4.30**

ANTENNA MAST SECTIONS

Strong, seamless electro-galvanized steel masts with swaged ends. 1¼″ O.D.

Stock No.	Height	Wall	Wt.	EACH
92 CX 084	5 ft.	.035″	3 lbs.	.74
92 CX 119	5 ft.	.051″	4 lbs.	.99
92 CZ 274	10 ft.	.035″	5 lbs.	1.33
92 CZ 335	10 ft.	.051″	7 lbs.	1.99

GROUND RODS



Selection of low-cost ground rods. Constructed of moisture-resistant copper-plated steel to assure a low resistance contact with earth. Complete with clamp. With bolt. *Shipped by Express or Freight only.*

Stock No.	Size	Shpg. Wt.	EACH
92 CX 537	4′x⅜″	1½ lbs.	.52
92 CU 538	6′x⅜″	2¼ lbs.	.75
92 CU 539	8′x½″	5 lbs.	1.52

GROUND AND GUY WIRE

ALUMINUM GROUND WIRE. No. 8 solid wire. For all grounding applications.

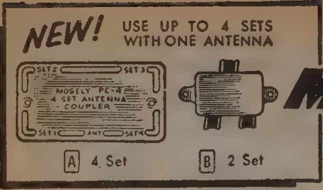
Stock No.	Coil Length	Wt., Lbs.	NET
91 C 557	50-ft.	1½	.65
91 C 558	100-ft.	2¼	1.25
91 CU 559	1000-ft.	26	11.98

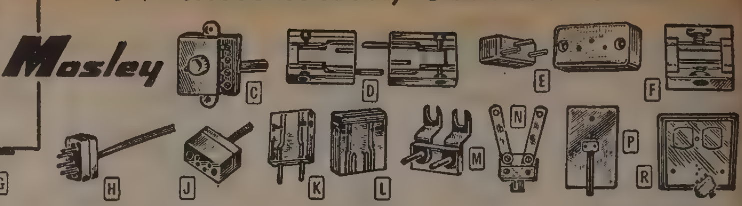
NO. 20 GALVANIZED GUY WIRE. 6-strand wire in 100-ft. or 1000-ft. rolls.
91 C 560. 100-Ft. Roll. 2 lbs..................**64¢**
91 CU 561. 1000-Ft. Roll. 20 lbs..................**6.38**

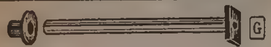
NO. 18 GALVANIZED GUY WIRE. For heavy-duty use. 100-ft. or 1000-ft. rolls.
91 C 562. 100-Ft. Roll. 2½ lbs..................**94¢**
91 CU 563. 1000-Ft. Roll. 25 lbs..................**8.74**

"PLASTIGARD" PLASTIC-COVERED GALVANIZED GUY WIRE. High tensile strength wire with green transparent jacket. Resists sunlight, corrosion, wind, snow and temperature changes. Heavy-gauge plastic extruded over stranded galvanized steel wire will not stretch or snarl. 6 strand wire. In 100-ft. or 1000-ft. rolls.
91 CX 181. 100-Ft. Roll. 2½ lbs..................**1.79**
91 CZ 183. 1000-Ft. Roll. 25 lbs..................**14.95**

TV Installation, Service Gear


NEW!
USE UP TO 4 SETS WITH ONE ANTENNA
SET 2
SET 3
MOSELY PC-4 4 SET ANTENNA COUPLER
SET 1
ANT
SET 4
A 4 Set
B 2 Set





A **TYPE PC-4 4-SET ANTENNA COUPLER.** For operating any combination of 4 TV or FM sets from one antenna. Distributes signal equally without noticeable interaction. 4 oz.
91 C 287........................3.13

B **TYPE PC-2 2-SET ANTENNA COUPLER.** For two TV or FM sets from one antenna. Printed circuit coupler distributes signal equally. With mtg. screws. 3 oz.
91 C 288........................1.42

C **TYPE F-40 2-WAY ANTENNA SWITCH.** Selects either of 2 antennas. Maintains 300-ohm impedance. 8 oz.
91 C 013. Brown plastic case.
91 C 014. Ivory plastic case.... **Each 1.36**

D **TYPE 321 TWIN-LINE CONNECTOR.** Low-loss polystyrene solderless connector for extending 300-ohm twin-line leads. Plugs are polarized for proper matching. Length, 1⅜″. Wt., 2 oz. **2 mating prs. per pkg.**
91 C 425..................**Per Pkg. 1.02**

E **TYPE 343-PK TRANSMISSION-LINE SOCKETS WITH PLUG.** Mounts on baseboard or wall. With solderless twin-line plug and mounting screws. Shpg. wt., 2 oz.
91 C 005. Brown plastic
91 C 004. Ivory plastic..........**Each 67¢**

F **TYPE 27-S FLAT-LINE POLYSTYRENE SPLICER.** Strip wires, insert, and tighten screws for positive contact; ¾x¾x¼″. Wt., 2 oz. **2 per pkg.**
91 C 426..................**Per Pkg. 25¢**

G **TYPE 625 WALL-THRU INSULATOR.** For round or flat twin-line. Fits walls up to 13″ thick. Includes polystyrene tube 14″ long, inside plate and outside cap. Socket 343-PK (at left) may be installed on inside plate. 1 lb.
91 C 018. Brown plastic ends.
91 C 022. Ivory plastic ends.... **Each 1.29**

H **LINE PLUGS.** Solderless. For 2 or 4-wire, flat or round cable. 2 oz. ***Pkg. of 2.**

Stock No.	Type	Description	EACH
91 C 427	303*	For 2-wire cable	54¢
91 C 019	374	For 4-wire cable	50¢

J **TYPE 364 LINE SOCKET.** Accepts 374 plugs above. Solderless, 2 oz.
91 C 020........................66¢

K **TYPE 301 PLUG.** For connecting flat twin lead-in to set or booster. Polystyrene. Fits socket below. 2 oz. **2 per pkg.**
91 C 428..................**Per Pkg. 41¢**

L **TYPE 311 SOCKET.** Use with plug above. Polystyrene. 2 oz. **2 per pkg.**
91 C 429..................**Per Pkg. 41¢**

M **TYPE 304 CONNECTOR.** Fits antenna terminals. Accepts 311 above. Shpg. wt., 2 oz. **2 per pkg.**
91 C 430..................**Per Pkg. 41¢**

N **TYPE 263S "Y-TY."** Solderless strain-relief connector. 4″ wide. 6 oz.
91 C 024........................51¢

P **TYPE F-1PK WALL PLATE.** For TV or FM sets using twin line. Plastic plate. Fits standard outlet box or in wall. With 303 plug. 6 oz.
91 C 011. Brown.
91 C 010. Ivory..................**Each 1.22**

TYPE F-11PK DUAL FLUSH WALL PLATE. Similar to F-1PK but for 2 connections. With 303 plug. 6 oz.
91 C 009. Brown.
91 C 008. Ivory..................**Each 1.68**

TYPE F-14PK COMBINATION FLUSH WALL PLATE. Above, for one twin line and one 4-wire cable. With plugs. 6 oz.
91 C 007. Brown.
91 C 006. Ivory..................**Each 2.21**

TYPE F-114PK COMBINATION FLUSH WALL PLATE. As above, but for 2 twin lines and 4-wire rotator cable. Plugs included. Shpg. wt., 8 oz.
91 C 025. Brown plastic.
91 C 026. Ivory plastic..........**Each 2.21**

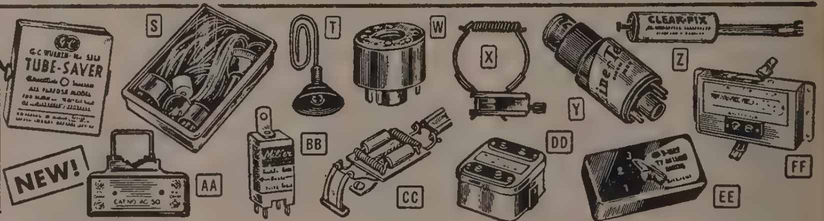
R **TYPE AC-1PK AC-TV WALL PLATE.** Duplex AC receptacle cover plate with built-in twin-line socket. With plug. Ivory finish. Shpg. wt., 2 oz.
91 C 002........................1.24

TYPE AC-14PK WALL PLATE. Duplex AC receptacle cover plate with built-in sockets for twin line and 4-wire rotor cables. With plugs. Ivory finish. 2 oz.
91 C 003........................2.27

G-C TUBE SAVER

$3.23

Lengthens Life
of TV, Radio
and Hi-F. Tubes



Model 25-898. Protects tubes against voltage surges. Plugs into AC outlet—set plugs into tube-saver. 2¾x2½x1¼″. 110-275 watts. For 110-120 v., AC-DC. 7 oz.
91 C 210........................3.23
91 A 211. Model 25-900. As above, but for color TV sets. Wt., 12 oz..............3.89

S **EBY K-302 CRT EXTENSION HARNESS KIT.** Expedites testing of any black-and white picture tube. Consists of 3-ft. anode extension harness; 4-ft. CRT socket harness for both electrostatic and magnetic tubes; 3-ft. octal yoke extension harness. 10 oz.
91 C 035........................3.18

T **CRT HI-VOLTAGE CONNECTOR.** Second anode connector. Silver-plated plug for low-loss contact. 1½″ rubber cap. 18″ wire lead. Wt., 4 oz.
91 C 034........................29¢

W **PERMA-POWER B-101 HORIZONTAL BAR GENERATOR.** Provides series of horizontal lines for checking picture linearity. Also for setting of deflection yoke and focus. Fits duodecal socket. 1½x1½″. 5 oz.
91 C 077........................1.72

X **J. W. MILLER 6295 ADJUSTABLE ION TRAP.** Universal single-magnet ion trap. Replaces any single trap from 32 to 55 gausses. Wt., 6 oz.
91 C 103........................88¢

Y **VIDAIRE KT-1 "KINE-TEST" CRT SUBSTITUTION TESTER.** Quickly checks electromagnetic and electrostatic-focus picture tubes. Plugs in—no need to remove chassis. Checks filament, bias and 1st anode voltages, and video signal at CRT socket. 4⅛x1½″. 6 oz.
91 C 240........................4.14

Z **SUPEREX "CLEAR-PIX" INTERFERENCE FILTERS.** Minimize TV interference. Select from table below. For TV sets using 300-ohm twin lead. Av. wt., 5 oz.

Stock No.	Type	Attenuates	EACH
91 C 066	CPH	21 mc Amateur	1.17
91 C 068	CPF	Strong FM station	
91 C 067	CPI	Ignition or similar	
91 C 065	CPC	Citizens Band	

AA **JFD AC-50 IMPEDANCE MATCHING TRANSFORMER.** Matches 72-ohm cable to 300-ohm TV set or transformer line. Mast mounting. 1 lb.
91 C 289........................2.32

BB **MILLER ANTENNA TRANSFORMERS.** Permits use of low-loss 52 or 72 ohm coaxial cable on 300 ohm receiver inputs. Two required: one at antenna, one at receiver. For indoor or outdoor use. 1⅜x¾x¾″. Wt., 2 oz.
91 C 306. Type 6161. 52 ohms.
91 C 309. Type 6162. 72 ohms...**Each 1.76**

CC **REGENCY HP-45 HIGH-PASS FILTER.** Blocks harmonic interference from frequencies below VHF TV band. 20 db attenuation at 29 mc, 40 db below 14 mc. With mounting bracket. 1⅛x⅞″. 2 oz.
91 C 315........................99¢

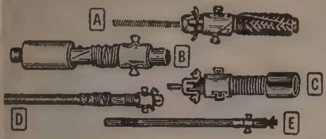
DD **R. L. DRAKE TV-300-HP HIGH-PASS FILTER.** Eliminates or reduces interference caused by police, amateur (including 6-meter), Citizens Band, diathermy. 40 db attenuation, 0 to 52 mc. Attaches to 300-ohm antenna terminal. Size, 2½x2½x1⅛″. Shpg. wt., 8 oz.
91 C 160........................3.97

EE **JFD MODEL AS3 ANTENNA SWITCH.** Selects any one of 3 antennas. Rotary switch; silver contacts. 300-ohm impedance. 1¾x5x2″. Wt., 2 lbs.
91 C 112........................2.91
91 C 291. JFD Model AS1. As above, but has bat handle switch. Wt., 1 lb...........2.32
91 C 305. JFD Model AS2. 2-antenna switch. Slide switch. Wt., 1 lb..................1.73

FF **TACO MODEL 835 SELECTIVE ATTENUATOR.** Reduces TV or FM signals causing distortion by over-driving. Positions: 0 db for full-strength reception; 15 db for medium attenuation; 30 db for maximum. 300-ohm impedance. 4½x2¼″. Shpg. wt., 5 oz.
92 C 046........................2.97

TV and Car Radio Accessories

SUPEREX HIGH-GAIN AM LOOPSTICK ANTENNAS



High-gain ferrite-core antennas. Offer uniform response. Non-directional when mounted vertically. Tune broadcast band (540-1600 kc) when used with 365 or 410 mmf tuning capacitor.

A **VLT-240 TRANSISTOR VARI-LOOPSTICK.** Has impedance tap; micrometer adjustment. Simplified, one-hole snap-in mounting. For use with 365 mmf or 410 mmf variable tuning capacitor. Size, 7/16x2″. Shpg. wt., 4 oz.
91 C 286........................**73¢**

B **FERRI-LOOPSTICK.** Excellent low-cost, replacement antenna for AM broadcast receivers. Has "Q" of 240-275. Single-hole snap-in mounting. Size, 7/16x2″ long. Shpg. wt., 4 oz.
91 C 284........................**44¢**

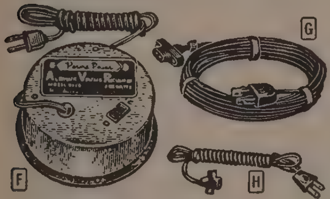
C **VARI-TENNA.** For use with older radio sets equipped with built-in antenna. Features high sensitivity and excellent signal-to-noise ratio. Boosts gain up to 25 times. Single-hole mounting. ½x2½″. Wt., 4 oz.
91 C 058........................**73¢**

C **VARI-LOOPSTICK.** For AM broadcast sets. "Q" of 250. Adjustable ferrite core. Snap-in mounting. 7/16x2¼″. Wt., 4 oz.
91 C 060........................**59¢**

D **"ENERGIZED" FERRI-LOOPSTICK.** This 5″ loopstick has a "Q" of up to 350. Adjustable coil with self-locking collar. Single-hole mounting. ⅜x5″. 6 oz.
91 C 062........................**88¢**

E **7″ LOOPSTICK.** Same as "energized" loopstick above, but has 7″ length for greater sensitivity. "Q" to 425. 6 oz.
91 C 063........................**1.32**

VOLTAGE REGULATORS, CORDS

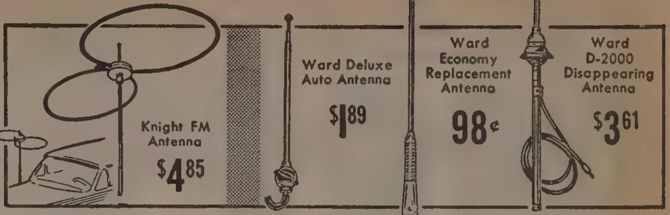


F **PERMA-POWER VOLTAGE REGULATOR.** Maintains normal operating voltage for TV sets, hi-fi systems, etc. Useful in areas or buildings where line voltage is consistently low. Automatically boosts voltage 10 volts when line voltage goes below 110. 300-watts capacity. 4¾x4¾x2¼″. Wt., 2½ lbs.
91 C 224........................**5.85**

MODEL D101 LINE VOLTAGE REGULATOR. As above, but has 3-pos. manual switch for boosting or lowering voltage. 2¼ lbs.
91 C 221........................**4.09**

G **TV POWER CORD AND CONNECTOR.** Identical to original equipment on most sets. 9 ft. long. UL Approved. 8 oz.
91 C 045........................**36¢**

H **91 C 046. 6-Ft. Cord and Connector.** As above, but 6-ft. long. 6 oz..........**30¢**


Knight FM Antenna
$4.85
Ward Deluxe Auto Antenna
$1.89
Ward Economy Replacement Antenna
98¢
Ward D-2000 Disappearing Antenna
$3.61

AUTO RADIO ANTENNAS

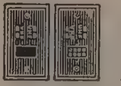
KNIGHT FM AUTO ANTENNA. Attaches to your present AM antenna, providing stronger FM reception. Increases range and reduces noise, flutter and fading. ¾-wave antenna design eliminates cross-polarization losses, provides 3 db gain. Anodized aluminum; chromed brass fittings. Weighs only 2 oz. Shpg. wt., 5 oz.
91 C 164........................**4.85**

WARD TCF-3C AUTO ANTENNA. Mounts on top cowl of car. Ball-and-socket mounting style; adjusts to desired angle. Three sections are 56″ extended, 22″ telescoped. Constructed of chrome-plated brass tubing. Complete with 54″ lead-in cable with Motorola-type plug. Preassembled. Shpg. wt., 1 lb.
92 CX 099........................**1.89**

ECONOMY REPLACEMENT ANTENNA. Flexible spring mast replacement antenna. Triple-section. Replaces your corroded or broken antenna, provides good reception. Easily fits over stub of old antenna. 27½″ collapsed length. Extends to 51½″. Set screw for secure mounting. Shpg. wt., ½ lb.
92 CX 417........................**98¢**

WARD MODEL D-2000 DISAPPEARING ANTENNA. Easily-installed "Lok-matic" type that virtually disappears when collapsed to minimum of 6½″. Three sections extend to 52″. Installed from outside the car on cowl or fender. Completely waterproof; polystyrene insulation. Complete with 54″ lead-in cable. Shpg. wt., 1 lb.
92 CX 580........................**3.61**

CINCH-JONES TV WALL PLATES



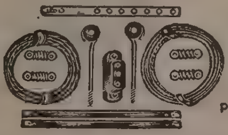
TYPE WP. For terminating 300-ohm TV-FM lead-ins and rotator cables in standard outlet boxes. (Also attachable to wall.) Type WPI has knockout panel for adding rotator socket. Ivory color plastic. With mounting screws. Less plugs, listed below. Shpg. wt., 7 oz.

91 C 027. Type WPI Lead-in Plate....**98¢**
91 C 029. Type WPI-8 Lead-in and 8-Wire Antenna Rotator Outlet Plate...**1.58**
91 C 031. Twin-Line Plug. 2 oz..........**22¢**
40 H 808. 8-Contact Rotor Plug. 3 oz....**81¢**

TYPE WPC TV WALL PLATES. For terminating TV antenna lead-in and rotator cables in standard wall outlet. Chrome-plated. S-302 for antenna lead-in. S-302-4 for lead-in plus 4 rotator wires; S-302-8 for lead-in and 8 rotator wires. 7 oz.

Wall Plate			Plug	
Stock No.	Type	EACH	Stock No.	EACH
91 C 036	S-302	1.38	40 H 802	.57
91 C 037	S-302-4	1.67	40 H 804	.66
91 C 038	S-302-8	1.79	40 H 808	.81

CONSOLIDATED ANTENNA KITS

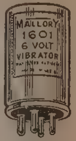


MODEL 615
$4.25
Contains all parts and wire

MODEL 615. Contains all parts and wire for any one of these antennas; balanced doublet, double doublet, or inverted-L. Includes 100′ of bare antenna wire, 50′ insulated transmission line, 4 glass insulators, 2—screw eyes, lightning arrester, lead-in strip, and ground clamp. With instructions. Shpg. wt., 3¼ lbs.
91 C 084........................**4.25**

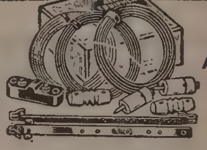
MODEL 635 DOUBLET ANTENNA KIT. For "long-distance" reception. Contains 2—30′ coils of 7x24 copper wire, 50′ lead in wire. 10′ ground wire, 3—3″ insulators, ground clamp, lead-in tube, 2 knob insulators. 3¼ lbs.
91 C 085........................**3.72**

MALLORY REPLACEMENT VIBRATORS



Proven in millions of auto radios over a period of many years. Offer long, reliable service. Easy to install—just plug in like a receiving tube. Av. shpg. wt., 8 oz.

Stock No.	Type	Volts	Size	EACH
91 C 280	4-4	6	1½x2⅝″	1.37
91 C 281	12-3	12	1½x2⅝″	1.46
91 C 282	12-4	12	1½x2⅝″	1.46
91 C 294	1501	6	1½x2⅞″	3.91
91 C 285	G1501	12	1½x2⅞″	4.25
91 C 290	1513	6/12	1½x2⅞″	4.25
91 C 295	1601	6	1½x2⅝″	2.90
91 C 320	G1601	12	1½x2⅝″	2.90
91 C 298	G1602	12	1½x2⅝″	2.90
91 C 299	1610	6	1½x2⅝″	3.39
91 C 302	1751	6	1½x3″	4.47
91 C 304	G1801S	12	1½x2 15/16″	6.13
91 C 307	1813	6	1½x2⅞″	4.74
91 C 254	1806	6	1½x2⅞″	4.74
91 C 259	G1801	12	1½x2⅞″	5.27
91 C 260	G1807	12	1½x2⅞″	5.27
91 C 272	1801S	6	1½x2 15/16″	5.27
91 C 274	G1803S	12	1½x3″	6.13



DELUXE BC/SW ANTENNA KIT

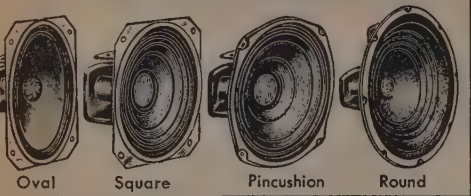
$1.98

This deluxe shortwave and broadcast band antenna kit "pulls in" difficult-to-receive stations. Kit includes 100′ 7x26 bare copper wire; 40′ lead-in; 25′ heavy-gauge ground wire; 2 insulators; window lead-in; lightning arrester; 2 nail knobs; ground clamp; complete instructions. Shpg. wt., 2½ lbs.
91 C 239........................**1.98**

STANDARD KIT. Includes 50′ 7x26 wire; 25′ lead-in; 2 antenna insulators; 1 screwtype standoff insulator; ground clamp. Shpg. wt., 1½ lbs.
91 C 207........................**98¢**

Speakers by Quam, Jensen and Utah

QUAM GENERAL-PURPOSE REPLACEMENT SPEAKERS



Alnico V magnets. Baked enamel finish. *Very shallow frame. Voice coil imp., 3.2 ohms except †speakers for transistor application, impedance indicated by digits following Z in Type number.

Stock No.	Type	Shape	Size	Watts	Magnet	Lbs.	EACH
59 D 424	22A06Z8	Round †	2¼″	.25	.45 oz.	¼	2.79
59 D 425	22A06Z100	Round †	2¼″	.25	.45 oz.	¼	3.09
59 D 422	25A07	Square	2½″	1.5	.65 oz.	¼	2.35
59 D 426	27A06Z12	Round †	2¾″	.25	.55 oz.	¼	2.76
59 D 453	3A07	Square*	3½″	2.5	.65 oz.	½	2.35
59 D 417	4A05	Square	4″	2.5	.55 oz.	¼	1.73
59 D 421	35A05	Oval	3x5″	2.0	.55 oz.	½	2.47
59 D 434	4A07	Square*	4″	3.0	.65 oz.	½	2.53
59 D 435	4A1	Square	4″	3.0	1.0 oz.	¾	2.70
59 D 436	4A15	Square	4″	3.0	1.47 oz.	¾	2.97
59 D 454	46A07	Oval*	4x6″	3.5	.65 oz.	¾	2.79
59 D 460	46A1	Oval	4x6″	3.5	1.0 oz.	1	3.00
59 D 461	46A15	Oval	4x6″	3.5	1.47 oz.	1	3.23
59 D 427	48A2	Oval*	4x8″	4.5	1.4 oz.	1	4.67
59 D 484	410A2	Oval	4x10″	6.0	1.4 oz.	1¼	5.26
59 D 437	5A07	Pincushion*	5″	3.5	.65 oz.	¾	2.65
59 D 438	5A1	Pincushion	5″	3.5	1.0 oz.	1	2.85
59 D 439	5A15	Pincushion	5″	3.5	1.47 oz.	1	3.09
59 D 478	52A1	Pincushion	5¼″	4.0	1.0 oz.	1	2.91
59 D 433	52A21	Pincushion	5¼″	4.0	2.15 oz.	1¼	3.56
59 D 405	52C10	Pincushion	5¼″	10.0	10.0 oz.	2⅛	5.85
59 D 455	57A1	Oval	5x7″	5.0	1.0 oz.	1	3.24
59 D 447	57A21	Oval	5x7″	5.0	2.15 oz.	1¼	3.97
59 D 440	6A1	Pincushion	6½″	5.0	1.0 oz.	1	3.12
59 D 441	6A15	Pincushion	6½″	5.0	1.47 oz.	1	3.38
59 D 442	6A21	Pincushion	6½″	5.0	2.15 oz.	1¼	3.79
59 D 445	6A31	Pincushion	6½″	6.0	3.16 oz.	1½	4.47
59 D 462	69A2	Oval*	6x9″	8.0	1.4 oz.	1½	4.41
59 D 463	69A3	Oval	6x9″	10.0	3.2 oz.	1¾	5.41
59 D 428	69A1	Oval*	6x9″	6.0	1.2 oz.	1½	3.53
59 D 407	69A1S	Oval	6x9″	6.0	1.2 oz.	2⅛	5.00
59 D 549	7A21	Pincushion	7″	6.0	1.4 oz.	1	4.35
59 D 443	8A21	Pincushion	8″	7.0	2.15 oz.	1½	4.56
59 D 444	8A31	Pincushion	8″	9.0	3.16 oz.	2¼	5.29
59 D 480	10A6A	Round	10″	12.0	6.8 oz.	3½	8.53
59 DX 533	12A6A	Round	12″	14.0	6.8 oz.	4½	9.38

QUAM WEATHERPROOFED OUTDOOR SPEAKERS

Feature exclusive "Humi-Gard" cone of plastic inpregnated fiber fabric. Specially designed to outlast ordinary moisture-proofed cones. Voice coil impedance, 3.2 ohms.

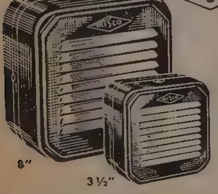
Stock No.	Type	Size	Shape	Watts	Magnet	Lbs.	EACH
59 D 432	3A07OT	3½″	Square	2.5	.65 oz.	½	2.35
59 D 548	4A05OT	4″	Square	2.5	.55 oz.	¼	1.95
59 D 547	5A05OT	5″	Pincushion	3.0	.55 oz.	¼	2.28

QUAM 45-OHM INTERCOM SPEAKERS

PM speakers for replacement in intercommunications systems.

Stock No.	Type	Size	Shape	Magnet	Shpg. Wt.	EACH
59 D 481	3AO7Z45	3½″	Square	.65 oz.	½ lb.	2.50
59 D 482	4A1Z45	4″	Square	1.0 oz.	¾ lb.	2.85
59 D 483	5A1Z45	5″	Pincushion	1.0 oz.	1 lb.	3.00

ALL-WEATHER SPEAKERS

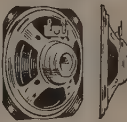


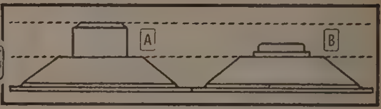
Consist of speaker in 20-gauge steel enclosure. Weatherproof, dustproof; withstand humidity, temperature, shock and corrosive atmospheres. For patios, outdoor theaters, manufacturing plants. Acoustically designed louvers; perforated plate backing; treated cones. 8-ohm impedance. MS-3-B 3½″ "Mini-Speaker" has 1-oz. magnet. MMS-8-F 8″ "Music-Mini" designed for hi-fi use has 3.16-oz. magnet; 70-13,000 cps response; 8-watt capacity.

59 D 404. 3½″ Model MS-3-B. 4x4x2⅝″. Wt., 1¼ lbs.......4.79

59 D 550. 8″ Model MMS-8-F. 9x9x4¼″. Shpg. wt., 5 lbs.....11.69

"THIN-DRIVE" SPEAKERS FEATURE EXTRA-SLIM PROFILE



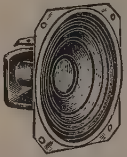


- Fit Anywhere—End Speaker Replacement Guesswork
- Compatible with New Miniaturized Components
- Provide More Drive Per Ounce; Better Frequency Response

A major breakthrough in design ends speaker replacement problems! Super "Thin-Drive" speakers are sure to fit because odds are they're a good deal thinner than original speakers used. The slim profile is possible because of the new wafer-thin Lodex magnet developed by G.E. Compare speakers in the drawing above—Fig. A shows standard speaker with bulky pot; Fig. B shows "Thin-Drive" speaker with one-piece pot. Featherweight "Thin-Drive" speaker has more drive per ounce and actually outperforms standard type. All units shown are resistant to temperature and humidity changes. Have 3-watt capacity; 3.2-ohm impedance.

Stock No.	Type	Size	Shape	Lbs.	EACH
59 D 409	SP35RY	3½″	Square	¼	2.03
59 D 410	SP4RY	4″	Square	½	2.12
59 D 420	SP5Y	5″	Pincushion	½	2.23
59 D 406	SP57A	5x7″	Oval	¾	2.76
59 D 412	SP6RY	6″	Pincushion	¾	2.50

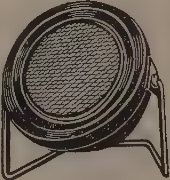
JENSEN "CONCERT SERIES" SPEAKERS



Jensen's highly popular "Concert Series" PM speakers. DP-Alnico V magnets for exceptionally high efficiency and distinct reproduction. Cones are selected for maximum frequency response characteristics. Rigid frame maintains proper alignment of voice coil and magnet structure. All speakers listed below have 3.2-ohm voice coil impedance. All except Type P4-W have bracket on back for the mounting of matching transformer.

Stock No.	Mfr's Type	Size	Shape	Magnet	Watts	Wt., Lbs.	EACH
59 D 498	P4-W	4″	Square	1.0 oz.	4.5	1½	2.56
59 D 499	P5-W	5″	Square	1.0 oz.	5.0	1¾	2.62
59 D 486	P5-V	5″	Square	1.47 oz.	5.5	1¾	2.85
59 D 506	P6-W	6″	Square	1.0 oz.	6.0	2	2.88
59 D 546	P6-V3	6″	Square	1.47 oz.	6.5	2	3.20
59 D 488	P6-T	6″	Square	3.16 oz.	7.5	2	4.59
59 D 492	P69-V	6x9″	Oval	1.47 oz.	7.5	2½	4.26
59 D 489	P8-U	8″	Square	1.73 oz.	9.0	2½	4.23
59 D 490	P8-T	8″	Square	2.5 oz.	10.0	2¾	4.94
59DX536	C12-T3	12″	Round	4.8 oz.	12.0	5	7.97

FEDTRO ALL-PURPOSE SPEAKER



Use it indoors or out. Connects to the speaker leads of your hi-fi system, radio, TV, phono—even your car radio! Can be hung from wall, stood up on its wire-frame stand, or mounted on posts with screw-on bracket supplied. Heavy black plastic housing, gold mesh grille. Includes 20-ft. cable tipped with miniature alligator clips—no soldering, no tools. 3½″ speaker for clear sound. 8 ohms. From Japan. 1 lb.

59 D 504........................3.69

ALLIED SPEAKER REPAIR SERVICE

Hi-Fi Speaker Repair. Includes replacing cone, gasket, voice coil, spider, dust cover. Ship speaker by insured parcel post or express. *Allow 30 days return delivery.*

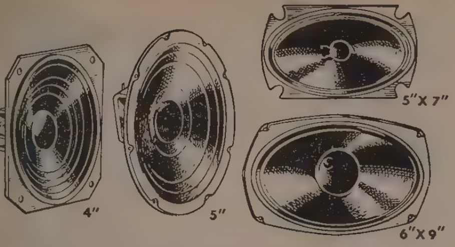
8″ Speaker Repair 7.50

12″ Speaker Repair....11.25   15″ Speaker Repair....15.00

Standard Speaker Repair. Speakers rebuilt. Additional charges for field-coil repair or replacement: $1.25 for 4″-9″; $2.25 for 10″-12″. Field coils welded into frames cannot be replaced. Ship speaker prepaid. Send remittance (and postage) with order. *Allow 30-45 days return delivery.*

Size	Service	Size	Service	Size	Service
4″ to 6″	2.15	14″ to 15″	9.00	5x7″ oval	2.80
6½″ to 9″	3.00	4x6″ oval	2.65	6x9″ oval	3.10
10″	3.50	11″ to 12″	6.00		

Top Values in Replacement and Auto Speakers



LINCOLN REPLACEMENT SPEAKERS COST LESS

- For Universal Replacement Use
- Built to EIA Standard Dimensions
- Ruggedly Constructed
- Precision-Centered Elements

As low $1.13

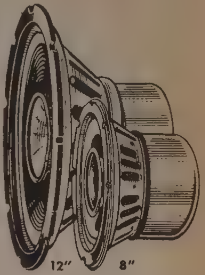
Quality permanent magnet speakers at very low prices. Actually cost less than a reconing job. Designed for universal replacement use—also recommended for new equipment. Big money savers for radio-TV servicemen, as well as "do-it-yourselfers." Built to EIA standard dimensions—rugged construction throughout. Rigid frame assures permanent alignment of parts. Magnet and voice coil are precision centered. 4" and 5" speakers have 4 holes in pot for easy mtg.; furnished with universal mtg. bracket. Dustproofed coils. Made in U.S.A. Imp., 3.2 ohms except † 8 ohms. *Extended range type.

Stock No.	Size	Shape	Mag. Wt.	Max. Watts	Wt., Lbs.	EACH
59 D 476	4"	Square	.68 oz.	3.0	½	1.13
59 D 477	5"	Round	.68 oz.	3.5	¾	1.30
59 D 472	5x7"	Oval	1.0 oz.	5.0	1	1.60
59 D 471	6x9"	Oval	1.47 oz.	8.0	1¼	2.15
59 D 493	*6x9"	Oval	1.47 oz.	8.0	1¼	2.30
59 D 416	†6x9"	Oval	1.47 oz.	8.0	1¼	2.15
59 D 470	8"	Round	2.15 oz.	9.0	1½	2.30
59 D 542	†8"	Round	2.15 oz.	9.0	1½	2.30
59 DX 529	12"	Round	3.16 oz.	10.0	3¾	3.90
59 DX 543	†12"	Round	3.16 oz.	10.0	3¾	3.90

OUTSTANDING LINCOLN COAXIAL SPEAKER BUYS

Economy-Priced
Extended Range
Coaxial Speakers

as low as $5.95



Impressive coaxial speaker values for budget-minded music lovers. These quality-made units are ideal for use in economy hi-fi systems, as extension speakers in recreation rooms or dens, and as replacement speakers for up-grading the tonal quality of radios, TV sets and phonographs. Provide crisp, clear highs and smooth, faithful lows. All have 8-ohm impedance. With large "Alnico V" magnets and built-in electrical crossovers. Made in U.S.A.

15" Coaxial Speaker. Excellent for use in larger high-fidelity systems; ideal in pairs for stereo. Woofer has efficient 10.0-oz. magnet; 5" tweeter has 1.47-oz. magnet. Handles up to 20 watts of program material. Frequency response: 45-12,000 cps. Crossover frequency is 1800 cps. Shpg. wt., 11 lbs.
59 DX 553 .... 11.95

12" Coaxial Speaker. Ideal for use in compact hi-fi systems; use in pairs for outstanding stereo. Woofer has efficient 6.0-oz. magnet; 4" tweeter has .68-oz. magnet. Handles up to 15 watts of program material. Frequency response: 40-15,000 cps. Crossover frequency is 2000 cps. Shpg. wt., 11 lbs.
59 DX 551 .... 7.95

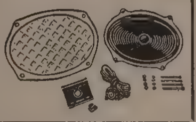
8" Coaxial Speaker. For small hi-fi systems or as replacement speaker in radios, TV sets, phonos. Woofer has 3.0-oz. magnet. 3" tweeter with. 68-oz. magnet. Handles up to 9 watts of program material. Response: 50-13,000 cps. Crossover frequency is 3000 cps. Shpg. wt., 6 lbs.
59 D 552 .... 5.95

6x9" Coaxial Speaker. Oval speaker incorporates efficient 3.0-oz. magnet; has 3" tweeter with 0.68-oz. magnet. Handles up to 8 watts of program material. Frequency response: 50-10,000 cps. Crossover frequency is 3500 cps. Wt., 1½ lbs.
59 D 554 .... 5.95

SELECTED AUTO SPEAKER KITS—AUTO SPEAKER REPLACEMENTS

STANDARD REAR-DECK AUTO SPEAKER KITS

as low as $2.89



Bargain priced. Ready for quick installation in any car. Assure greatly improved sound distribution. Speakers allow passengers in rear to hear radio clearly. Includes: quality PM speaker; dash-mounting, pre-wired 3-position control switch; grille; wire; template; screw terminals for easy mounting and easy-to-follow instructions. Shpg. wts., 5x7" Kits, 2 lbs.; 6x9" Kits, 2½ lbs.

Grille	Stock No.	Size	EACH	Stock No.	Size	EACH
Gray	59 D 473	5x7"	2.89	59 D 468	6x9"	3.69
Chrome	59 D 474	5x7"	2.98	59 D 469	6x9"	3.79

DELUXE REAR-DECK AUTO SPEAKER KITS

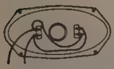
- With Duo-Type 6x9" Speakers
- Provide Extended Range Response
- Have High Frequency Whizzers
- With 3-Way Speaker Switch

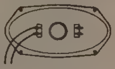
duced prices for quality, extended-range speaker kits with duo-type 6x9" speakers. Have specially designed high frequency whizzer in speaker's center. Provide rich, balanced reproduction of bass and treble. Employ natural baffle of automobile body to deliver smooth reproduction without harshness or distortion. Dash-mounted, 3-way switch permits playing radio speaker only, rear speaker only, or both simultaneiously. With hardware, dash switch, wire and instructions. Transistorized type kits have 8-20-40 ohm speaker and fader control. Shpg. wt., 2½ lbs.

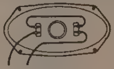
For Non-Transistorized Radios.
59 D 430. Gray Grille ... 3.69
59 D 429. Chrome Grille 3.79

For Transistorized Radios.
59 D 401. Gray Grille. .. 4.69
59 D 402. Chrome Grille ... 4.79

UTAH UNIVERSAL AUTOMOTIVE REPLACEMENT SPEAKERS


8-10 ohms

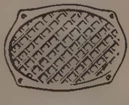

20 ohms


40 ohms

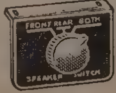
Exceptionally easy to install. Each speaker has two separate voice coils—can be connected to present 8-10, 20 or 40-ohm impedance. Av. shpg. wt., 9 oz.

Stock No.	Type	Size	Magnet	EA.
59 D 556	SP57D-MI	5x7"	1.47 oz.	2.98
59 D 557	SP69D-MI	6x9"	1.47 oz.	3.19
59 D 558	SP410E-MI	4x10"	2.15 oz.	3.98

AUTO SPEAKER ACCESSORIES

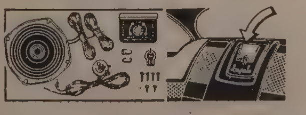


Speaker Grilles. Distinctive chrome-finish grilles for rear-deck speakers. Stay brighr for years. With hardware. 1 lb.
59 D 494. For 6x9s" 98¢
59 D 495. For 5x7s" .. 75¢



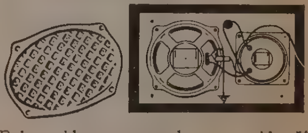
Selector Switch. Dash mounted; allows you to select front, rear or both speakers simultaneously. With hardware. 3 oz.
59 D 524 .... 66¢

REAR-SEAT SPEAKER KIT



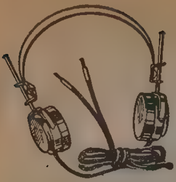
For cars with recessed grille in middle of rear seat. Kit includes: 6" round multi-impedance speaker, compatible with any car radio; 3-way fader control; dial plate; knob; connectors; wire; hardware. Less grille. Shpg. wt., 2 lbs.
59 D 450 .... 5.95

KNIGHT REAR-DECK KIT



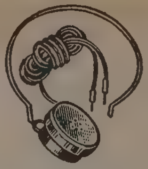
Enjoy wide-range sound as you ride. 5" woofer, 3" tweeter, crossover, wired and assembled on baffle plate. Mounts in 6x9" cut-out. With fader control, hardware, chrome grille. 8-20-40 ohms imp. 2½ lbs.
59 D 403 .... 6.98

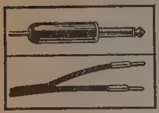
Headphones and Accessories



LINCOLN

- Adjustable Headbands
- Hyflux Alnico Magnets
- Internal Terminals
- 4½-Ft. Cords





Low-cost Lincoln headphones for every need. Adjustable headbands; powerful Hyflux Alnico magnets; internal terminal connections; 4½-ft. cotton-covered tinsel cords. Phone-tip terminals, except 86 S 283, phone plug.

STANDARD DUAL HEADPHONES

Have double headband with firmly gripping, easily adjustable yokes. 1⅞" diaphragm. Inside terminals. Shpg. wt., 1¼ lbs.

86 S 083. 2000 ohms....................................2.08
86 S 084. 3000 ohms....................................2.16
86 S 100. 4000 ohms....................................2.24
86 S 099. 11 ohms....................................2.08

HEADPHONE WITH PHONE PLUG. As above, but std. ¼" phone plug.
86 S 283. 2000 ohms....................................2.50

SINGLE HEADPHONES

Dependable, economy-priced single phones. Suitable for hard-of-hearing installations, receivers, crystal sets, Geiger counters, etc. Diaphragm is 1⅞" diameter. Spring-metal headband, permanently attached. 4½-ft. cord. Shpg. wt., 8 oz.

86 S 085. 1000 ohms....................................1.08
86 S 086. 1500 ohms....................................1.15

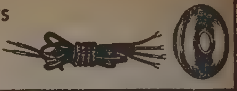
INSTITUTIONAL DUAL PHONES

(Not illus.) For schools, hospitals and other institutions where dependable, lightweight headphones are needed. Durable, easily cleaned bakelite cases. Inside terminal connections. Comfortable, adjustable, plastic headband. 4½-ft. cord. Wt., 1¼ lbs.

86 S 073. 2000 ohms....................................2.20
86 S 080. 3000 ohms....................................2.28

REPLACEMENT PARTS

Replacement parts for the Lincoln headphones listed on this page.



Stock No.	Description	Oz.	EACH
86 S 081	Diaphragm (package of two)	2	13¢
86 S 082	Bakelite cap	2	13¢
86 S 131	Headband with yokes	9	58¢

HEADPHONE CORDS

Copper conductor covered with woven cotton braid. Have 2 phone tips at one end; *refers to opposite end of cord. For use with headphones on this and following pages. Shpg. wt., 2 oz.

4½-FT. DOUBLE CORDS

Stock No.	*Terminals	For Use With	EACH
86 S 158	Eyelets for inside terminals.	86 S 073, -080, -083, -084, -088, -089, -104, -093, -094, -095, -153	50¢
86 S 144	Eyelets	86 S 092	
86 S 146	Phone tips both ends	Govt. and military types	

5-FT. DOUBLE CORDS

Stock No.	*Terminals	For Use With	EACH
86 S 138	Eyelets	86 S 326, -328	54¢

8-FT. DOUBLE CORDS

Stock No.	*Terminals	For Use With	EACH
86 S 155	Eyelets	86 S 092	74¢
86 S 157	Phone tips both ends	Govt. and military types	

SINGLE CORD

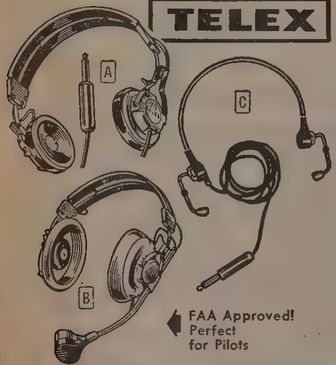
Stock No.	*Terminals	For Use With	EACH
86 S 143	4-ft. cord with eyelets	86 S 085, -086	33¢

RUBBER EARPHONE CUSHION

Molded rubber ear cushions slip over earphone caps. Provide maximum wearing comfort, reduce outside noises. Shpg. wt., 6 oz.

86 S 103. 1-9 Pairs....................................Per Pair 64¢
10 or More Pairs....................................Per Pair 58¢

TELEX



FAA Approved! Perfect for Pilots

PROFESSIONAL-QUALITY HEADSETS

A HM-100 "TELESET." Ideal where maximum speech clarity is required. Magnetic element. 50-10,000 cps. Spring-type stainless steel headband is rubber covered. 6′ cord, std. ¼" phone plug. 8 oz.
86 S 070. 2000 ohms....................................13.20
86 S 301. HM-500. Above, but 500 ohms impedance....................................13.20

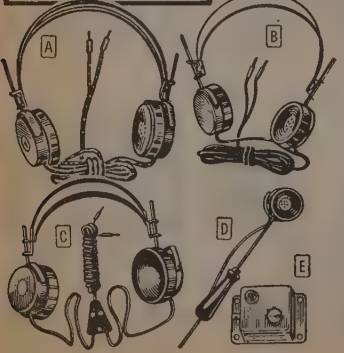
B MRB-45 "MAGNA-TWIN" MARK III WITH BOOM MIKE. Ideal for language labs. Magnetic headset elements have 50-10,000 cps response. Carbon boom-mike, 300-4000 cps. Headset, 500-600 ohms; mike, 50 ohms. Std. ¼" phone plug. Gray. 2 lbs.
86 S 060. *$5 Monthly*....................................31.20
86 S 069. MRB-30. 10,000-ohm headset. High-impedance mike (50-9000 cps)..31.90
86 S 051. MR-6. Headset without mike. Impedance, 500-600 ohms....................................18.10
86 S 053. MR-4. Headset without mike. Impedance, 10,000 ohms....................................18.10

C HTW-2 FAA-APPROVED "TWINSET." Sound is "piped" directly into ears by adjustable arms. Background sound remains intelligible for easy cabin conversation. Magnetic receiver elements rest at temples. 5′ cord connects to either element. ¼" phone plug. With pocket carrying pouch. 10 oz. (Similar unit with Boom-Mike on page 446—see BCW-03.)
86 S 262. 500 ohms....................................14.26
HTX-2. As above, 1000 ohms.
86 S 047....................................14.26

ACCESSORIES

Stock No.	Model	Description	EA.
86 S 304	ACT	Foam plastic cushions, HM Series. In pairs.	1.00
86 S 305	ACV	Foam rubber cushions, MR Series. In pairs.	1.50
86 S 306	CCM-2	6′ coiled cord for HT	3.27
86 S 245	CMM-2	Std. replacement cord for HT, with ¼" plug	2.34

CANNON



COMMUNICATIONS AND GENERAL-PURPOSE HEADSETS

A CC-2 "CHIEF." Sensitive magnetic headset. Inside terminals; 2¹⁄₁₆" diaphragms; bakelite cases and caps. Vinyl headband. 4½-ft. cord. 1¼ lbs.
86 S 104. 2000 ohms....................................2.42
86 S 063. CC-3. 3000 ohms....................................2.98
86 S 064. CC-4. 4000 ohms....................................2.99

B MC-2 "MASTER." Quality headset for general-purpose applications. Metal cases have bakelite caps. Inside terminals for safety. Powerful chrome steel magnets. With cord. Shpg. wt., 1¼ lbs.
86 S 153. 2000 ohms....................................2.50
86 S 088. MC-3. 3000 ohms....................................2.65
86 S 089. MC-5. 5000 ohms....................................2.92

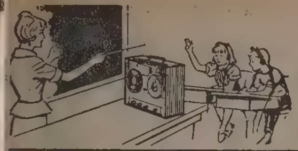
EXTRA CAPS AND DIAPHRAGMS FOR CHIEF AND MASTER. 2 oz.
86 S 090. Caps....................................Each 21¢
86 S 091. Diaphragms. Pkg. of 2.......13¢

C AM-25-2 ALNICO V PHONES. Have powerful Alnico permanent magnets for excellent sensitivity and response. Dual coils in each case. 1⅞" diameter diaphragms. Inside terminals for safety. Adjustable spring-steel headband. 4½-ft. cord has phone-tip terminals. 1 lb.
86 S 061. 2000 ohms....................................4.45
86 S 062. AM-25-4. 4000 ohms....................................5.19
86 S 065. AM-25-24. 24,000 ohms.....5.89

D LORGNETTE. Hand-held magnetic earphone for churches, theatres. Earphone 2⅛x¾" dia. Handle extends to 14". Imp., 1000 ohms. 6-ft. cord. 10 oz.
86 S 072....................................4.50

E SWITCHCRAFT VOLUME CONTROL. Universal terminals, phone jack. 2¾x2x1¾". 3¼ oz.
86 S 066....................................2.69

Headsets, Recorder, Phone Pickups



LANGUAGE-LAB EQUIPMENT. The headsets and the Master Tape Recorder/Classroom Player shown on this page are especially designed for use in modern language laboratories.

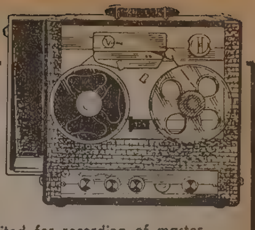
SUPEREX COMMUNICATIONS AND LANGUAGE-LAB HEADSET

$24.95

- Foam Cushions
- Dual Impedance
- 600 or 4-16 Ohms

Lightweight headphones for communications or language laboratory use. Soft foam ear cushions for wearer's comfort and to block out external background noise. Separate adjustment centers for individual fitting. Smooth frequency response from 60-6000 cps. Factory-connected for 600-ohm output; leads may be easily changed for 4-16 ohms. Shpg. wt., 3 lbs.

86 S 302-G *$5 Monthly*........................24.95



VIKING VE85 TAPE RECORDER/PLAYER

$275.65

$14 Monthly

High-fidelity recorder suited for recording of master tapes for language laboratory use, and for use as a classroom tape player.

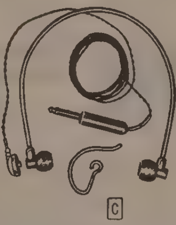
Recorder and classroom player incorporates tape deck, record/playback preamp and 2-watt power amplifier. Built-in speaker. Headphone/external amplifier jack. Recording inputs: high-impedance mike, and 1-v. high-level for record player, etc. Response (record and playback), ±2 db, 30-12,000 cps. Distortion, 1% at 1000 cycles. Signal-to-noise, 55 db. Takes up to 7″ reels. Less mike. 14½x16x10″. For 110-120 v., 60 cycle AC. Shpg. wt., 40 lbs.

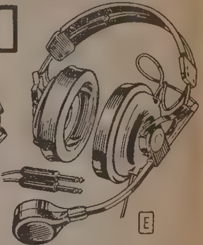
79 RU 200. *$14 Monthly*........................275.65

JB85 JACK BOX. Ten phone jack outputs, individual level controls. For medium- or high-impedance headphones. 8-ft. lead for connection to amplifier. 3″ high, 2″ wide.

79 RX 201. *$5 Monthly*........................38.25

TELEX





A **DYB-15 DYNAMIC HEADSET-MICROPHONE.** Language laboratory headset-mike provides students and instructor with high-fidelity speech reproduction. Dynamic drivers give response of 30-20,000 cps. Dynamic noise canceling mike has response of 100-9000 cps. Stainless steel headband is rubber-covered and adjustable. Cups rotate 180° for perfect fit. High-impact tan plastic. Impedance, 250 ohms. 5-ft. cord. Shpg. wt., 2 lbs.

86 S 307-G *$5 Monthly*........................33.00

DY-1 DYNAMIC HEADSET. Similar to above, but without mike. 1½ lbs.

86 S 308-G *$5 Monthly*........................24.00

ACD FOAM CUSHIONS. For DYB-15 and DY-1. Afford comfort, exclude outside noise. Washable. 6 oz.

86 S 310........................Per Pair 2.75

B **HM-100 TELESET.** Language lab headset has magnetic driver, for response of 50-10,000 cps. Stainless steel headband is rubber covered and adjustable. Impedance, 2000 ohms. 6-ft. cord. Wt., 8 oz.

86 S 070-G........................13.20

ACT FOAM CUSHIONS. For HM-100. Eliminate ear squeeze. Washable. Wt., 6 oz.

86 S 304........................Per Pair 1.00

C **HFR-91 DELAYED-SOUND "TELE-FI."** Tone arm delays sound to one ear by 1 millisecond—improves clarity! 60-6000 cps. Earloop included for one-ear listening. 5′ cord, ¼″ plug. 6 oz.

86 S 149-G 15 ohms........................5.78
86 S 225-G HFV-91. 125 ohms........................5.78
86 S 048-G HFW-91. 500 ohms........................5.78
86 S 229-G HFX-91. 1000 ohms........................5.78
86 S 154-G HFY-91. 2000 ohms........................5.78

D **MR-6 "MAGNA-TWIN" MARK III.** Muff-style foam rubber cushions. For language labs, etc. Magnetic driver. 50-10,000 cps. Gray. 5-foot cord, std. ¼″ phone plug. Less boom mike. 1½ lbs.

86 S 051-G 500-600 ohms........................18.10
86 S 053-G MR-4. 10,000 ohms........................18.10

HEADSETS WITH BOOM MIKE

86 S 311-G MRB-61. (Fig. E.) 500-600 ohms. 50-ohm noise-canceling dynamic mike (100-9000 cps). 2 lbs........................31.90

86 S 068-G MRB-60. 10,000 ohms. 20-ohm dynamic mike (100-9000 cps). 2 lbs........................29.95

86 S 069-G MRB-30. 10,000 ohms. High-Z ceramic mike (50-9000 cps). 2 lbs........................31.90

TYPE ACV FOAM CUSHIONS. For MR and MRB Series. Comfort over long periods. Washable. Shpg. wt., 6 oz.

86 S 305........................Per Pair 1.50

PICK-UP COIL
F
G
H

F **KORD-O-KOIL PICKUP.** For cradle phones only. 6-foot cable with standard phone plug. ⅝x5½x9¼″. 1¾ lbs.

58 R 295........................5.88

G **MAGNETIC RECORDING INDUSTRIES VM-938 PICKUP.** For use with any telephone. Includes 5-foot cable; less plug. ¾x1¾x4″. Shpg. wt., ½ lb.

58 R 296........................2.98

H **MAGNETIC PICKUP.** Suction cup attaches to telephone. With cable; less plug. Shpg. wt. ¼ lb.

58 R 297........................1.50

TELEPHONE AMPLIFIER, MAGNETIC TELEPHONE PICKUPS

"PHONE TALK" PORTABLE TELEPHONE AMPLIFIER

- Leaves Hands Free For Writing
- Transistorized—Instant Operating
- Battery-Saver Switch

The "Phone Talk" portable telephone amplifier enables you to listen to your telephone from any part of the room. Any number of people can listen—useful for group conversations. Leaves your hands free for writing or working. Transistorized for instant operation. Volume control. Battery-saver switch assures maximum battery life. Black and white plastic case. Size, 4¼x4⅛x2¾″. Complete with 9-volt battery. From Japan. Shpg. wt., 2 lbs.

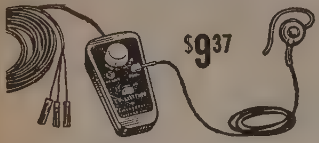
58 R 290........................8.95

- Adjustable Volume
- Battery Operated

Headphones, Pillow Speakers, Earpieces

PRIVATE TV-LISTENING SETS

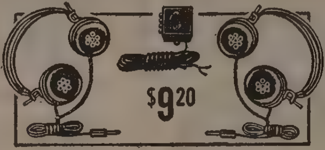
Headphones and Earpieces for TV or radio listening without disturbing others. For the hard-of-hearing, also.



TELEX LCP-90 TV LISTENER

For private listening, or the hard-of-hearing. Volume control. Jacks for 2 earpieces. Switch turns TV speaker on or off—works either way. No soldering. With one earpiece. 15′ cord.
86 S 234. Wt., 1 lb. 9.37

86 S 281. Extra Earpiece. Enables two to listen at once. ¼ lb. 2.87



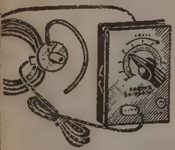
CANNON TV PHONE KIT

Aids hard-of-hearing. Allows private listening without disturbing others, or simultaneous operation with speaker. Control box has volume control and speaker/phones switch. Includes two pairs of dual headphones, control box and 15-ft. cord. Wt., 3 lbs.
86 S 133 ....9.20

86 S 135. As above, but with only one pair of phones. Wt., 2 lbs. 6.93

86 S 137. Control Box Alone. Shpg. wt., 9 oz. 4.62

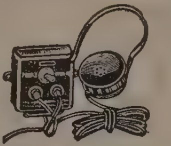
86 S 105. Headset Alone. Shpg. wt., 1¼ lbs. ....Each 2.42



FEDTRO EARPHONE SET

$5.10

Easily connected to any radio or TV set. Sensitive, lightweight earpiece; adjusts to fit either ear. Ivory plastic control box has volume control, 17-ft. cable and two jacks. One jack mutes speaker for listening with earpiece only. Other jack permits one person to listen from earpiece, while others listen from speaker—ideal where one family member is hard-of-hearing. Imported, 1 lb.
86 S 217 ....5.10

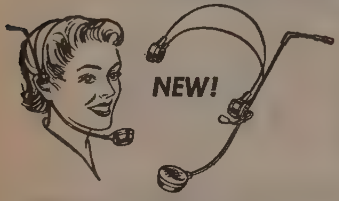


CANNON-BALL HEARING AID

$3.38

Popular hearing aid for use with radio or TV set. Comfortable headphone. Control box has selector control switch with choice of listening with headphone only, speaker only, or headphone and speaker simultaneously. With control box, connecting cables for attachment to speaker and attachment of headphone to control box, instructions. Low-impedance headphone matches output of radio or TV set. Wt. 1 lb.
86 S 087 ....3.38

TELEX SECRETARIAL HEADSETS

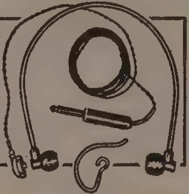


BCW-03 BOOM-MIKE HEADSET

Switchboard and communications headset is easy to slip on, almost unnoticeable. Weighs just 3½ oz. Tone arms pipe sound to ears without covering them. Boom rotates 300°. Single cord gives freedom of movement. Headset impedance, 500 ohms. Ceramic high-impedance mike. Less cord, below. Shpg. wt. 1 lb.
86 S 285G. $5 Monthly 33.00
86 S 293G. CBE-54 Cord, 5 ft. long. With std. ¼″ phone plug 5.10

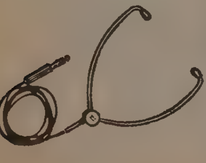
Tele-Fi—for secretaries, order desks

With ear loop for one-ear listening



TELE-FI HEADSET

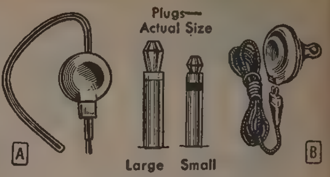
Under-the-chin ½-oz. headset. 60-6000 cps. 5′ cord with ¼″ phone plug. 6 oz.
86 S 149. HFR-91. 15 ohms 5.78
86 S 225. HFV-91. 125 ohms 5.78
86 S 048. HFW-91. 500 ohms 5.78
86 S 229. HFX-91. 1000 ohms 5.78
86 S 154. HFY-91. 2000 ohms 5.78
86 S 216. Replacement Cord. ¼″ plug . 2.34
86 S 313. Coiled 5′ Cord. ¼″ plug 3.15
86 S 284. Vol. Cont. Cord. 125 ohms ..5.93



SECRETARY'S MONOSET

Under-the-chin lightweight (1.2 oz.) headset. Use with office dictating machines. Magnetic element. Frequency response, 50-6500 cycles. Maximum input, 25 milliwatts. Metal housing. Earplugs are removable. 5-ft. cord with standard ¼″ phone plug. Shpg. wt., 8 oz. Replacement cords same as for "Tele-Fi," above.
86 S 194. HMV-2. 125 ohms 7.75
86 S 193. HMY-2. 2000 ohms 7.75

RADIO EARPIECES



A STANDARD EARPIECES

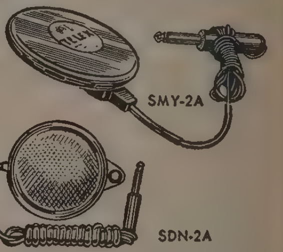
Replacement earpieces for transistor radios, with 3-foot cord and plug. Match your present plug diameter with illustration to order correct Stock No. except, *for GE and Westinghouse made before 1960. ‡From Denmark. †From Japan. Shpg. wt., 5 oz.

Stock No.	Type	Plug Size	EA.
86 S 024	JMB†	Small Dia. Barrel	.69
86 S 025	JMA†	Large Dia. Barrel	
86 S 032	WEM†	■	
86 S 034	RYM-B‡	Small Dia. Barrel	1.69
86 S 038	RYM-A‡	Large Dia. Barrel	
86 S 039	RY-WEM‡	■	

B SUPER-POWER EARPIECE

Extremely sensitive dynamic earpiece. Ideal for low-output transistor circuits or any tube-type circuit where a high-impedance dynamic earpiece can be used. Powerful magnet produces up to three times the sound of other dynamic types. AC impedance, 7000 ohms. DC resistance, 1500 ohms. Equipped with small-diameter plug—see illustration above. Has 3-ft. cord. From Denmark. Shpg. wt., 4 oz.
86 S 045 ....2.89

TELEX PILLOW SPEAKERS

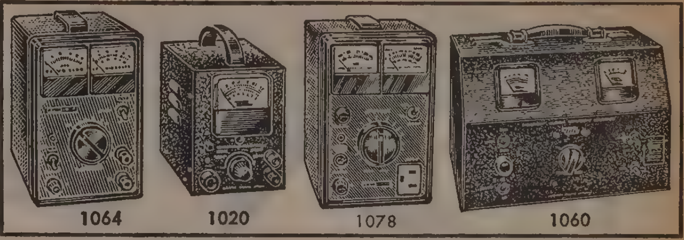


MAGNETIC PILLOW SPEAKER. Listen to late TV or radio programs without disturbing others. Ideal for hospital use—approved for Veterans Administration units. Use with tape recorder or phono for "sleep-learning." Flat, waterproof speaker is fully insulated—cannot shock. Sealed against corrosion, dirt. Gray plastic housing is readily sterilized. Has 5-ft. cord and standard ¼″ phone plug. Only ⅝″ thick, 2¼″ diameter. Shpg. wt., 6 oz.
86 S 199. SMY-2A. 2000 ohms for use with central system 5.35
86 S 296. SMV-2A. 125 ohms for use with radio and TV receivers 5.35

DYNAMIC PILLOW SPEAKER. Ideal for "sleep learning," late night listening. For private listening in hospitals—VA approved. Completely insulated. Stainless steel housing. Moving-coil diaphragm for wide response. Ring for hanging out of way when not in use. Size, 1⅛x3¾″. Has 5′ cord, std. ¼″ phone plug. Shpg. wt., 12 oz.
86 S 246. SDN-2A. 3.2 ohms........6.33
86 S 256. SDM-2A. 10,000 ohms......9.00
86 S 067. SDM-7A. 10,000 ohms; volume control on cord..................11.50

Power Supplies and Battery Chargers

EICO SUPPLIES AND CHARGERS . . . KITS AND FACTORY-WIRED



1064-K BATTERY CHARGER KIT WITH EXTRA-LOW RIPPLE

6 and 12-volt eliminator/charger. Delivers DC with ripple low enough for servicing transistorized equipment. Has two DC voltage ranges: 0-8 v. at 10 amps continuous, 20 amps intermittent; 0-16 volts at 6 amps continuous, 10 amps intermittent. Ripple: 0-16 v. range, 1% at 6 amps; 0-8 v. range, 4.5% at 10 amps. Separate voltmeter and ammeter to monitor voltage and current simultaneously. 8½x5¾x7½". For 105-125 v., 50-60 cycle AC. Shpg. wt., 14 lbs.

94 AX 120. *$5 Monthly*..........45.95

Model 1064-W. As above, but factory-wired.

94 AX 119. *$5 Monthly*............54.95

1020-K DC POWER SUPPLY KIT

- Provides 0-30 VDC Adjustable Output
- Maximum Ripple at Full Load .005%
- Transistorized • Dual-Range Voltmeter

Continuously variable output up to 30 volts. Voltmeter (0-6, 0-30 VDC) monitors output. Excellent for servicing "hybrid" circuits (those with both tubes and transistors), and all-transistor gear. A fine source of pure DC, unit is also a DC filament supply and bias source, and a means of checking operating voltage or current of high-resistance relays.

Maximum continuous output: 150 ma from 0-12 v.; 200 ma from 12-24 v.; 300 ma from 24-30 v. Full-wave silicon-diode rectifier circuit, with electrolytic-capacitor input filter, is followed by two power transistors in cascaded filter circuit.

Fuse protects against overload; pilot lamp stays on if fuse should blow. Gray wrinkle case, 5x4x5½". Carrying handle. For 105-125 v., 60 cycle AC. 5 lbs.

94 A 122. *$5 Monthly*...........23.95

Model 1020-W. As above, but factory-wired.

94 A 121. *$5 Monthly*.............29.95

MODEL 1078-K METERED VARIABLE-AC BENCH SUPPLY KIT

- Provides 0-140-VAC Adjustable Output
- Separate Output Ammeter, Voltmeter
- Monitors Voltage and Current Together

Lab-type supply is invaluable for checking performance under varying line conditions, checking power consumption, compensating for line-voltage variations, and exposing intermittents components when troubleshooting. Provides adjustable voltage output from 120-volt AC power line input. Delivers up to 7.5 amps. Voltmeter and ammeter monitor both voltage and current simultaneously. Ammeter has dual range—(0-2½ and 0-7½ amps); ranges can be switched while unit operates under load. Meter accuracy, ±3% of full scale. Uses variable auto-transformer of toroidal core design. Auto-transformer and ammeter are separately fused. Heavy-duty steel case, 8½x5¾x7". For 105-125 volts, 60 cycle AC. Shpg. wt., 9 lbs.

94 AX 124. *$5 Monthly*.........42.95

Model 1078-W. As above, but factory-wired.

94 AX 123. *$5 Monthly*............54.95

1060-K BATTERY CHARGER KIT

- Separate Voltmeter and Dual-Range Ammeter
- Automatic Switching of Ammeter Range

For any 6 or 12-v. car radio, transistor models included. Features extra filtering and continuous voltage adjustment by variable transformer. Has heavy-duty selenium rectifiers, fused primary, and automatic-reset overload relay in secondary. Low range: 0-8 v. at 10 amps continuous, 20 intermittent; 1.5% ripple at 2 amps, and 2% at 6. High range: 0-16 v. at 6 amps continuous, 10 intermittent; 0.3% ripple at 2 amps, and 1.5% at 10. Voltmeter range: 0-20 v. Ammeter range: 0-10, 0-20 amps. 8¾x10½x7¾". For 105-125 v., 60 cycle AC. Wt., 19 lbs.

94 AX 126. *$5 Monthly*..........39.95

Model 1060-W. As above, factory-wired.

94 AU 125. *$5 Monthly*...........49.95

Model 1050-K. Same as Model 1060-K above, but without smoothing-filter. 15 lbs.

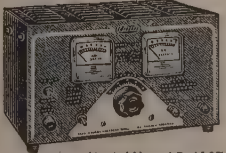
94 AU 128. *$5 Monthly*............29.95

Model 1050-W. As above, but factory-wired.

94 AU 127. *$5 Monthly*...........38.95

ELECTRO PRODUCTS DC POWER SUPPLIES

MODEL H DUAL-RANGE POWER SUPPLY


Model H and D-612T

Heavy-duty unit, specially designed for servicing mobile communications equipment. Provides up to 20 amps at 6 volts, or 10 amps at 12 volts, continuous duty. Up to 50% overload for intermittent duty. Ample filtering ensures less than 5% ripple at maximum rated current. Has 8-position voltage adjustment tap. Voltmeter and ammeter, mounted side-by-side on the front panel, continuously monitor output. Fused. Blue hammerloid-finished 18-ga. steel cabinet. Size, 7x12x8½". For 117 volts, 50-60 cycle AC. Shpg. wt., 30 lbs.

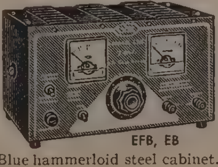
64 GU 467. *$5 Monthly*..............................99.50

MODEL D-612T POWER SUPPLY

Designed to service transistor and vibrator-powered car radios, etc. Ideal for battery charging and electroplating. Two continuously variable ranges: 0-8 v., and 0-16 v. 10 amps continuous up to 12 v.; up to 20 amps, intermittent. Less than 0.5% ripple up to 5 amps; 2% up to 10 amps. Four bridge-type selenium rectifiers with conduction cooling. Choke-input filter with 10,000 mfd capacitor. 2-position range switch. Blue hammerloid 18-gauge steel cabinet, 7x12x8½". For 117 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

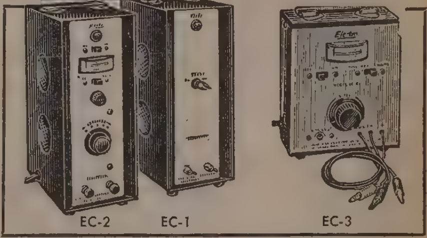
64 GU 462. *$5 Monthly*...........................69.95

MODEL EFB POWER SUPPLY


EFB, EB

Provides very low ripple for transistor work. Continuously variable voltage control. 0-16 volts up to 8 amps; 0-32 volts up to 4 amps. Meters have 2% D'Arsonval movements. Less than 0.1% AC ripple at maximum ratings; less than .01% up to 100 ma. Bridge-type selenium rectifiers. Pi-type filter with 2 chokes and 2 capacitors. Blue hammerloid steel cabinet. 7x12x8½". For 117 volts, 60 cycle AC. Shpg. wt., 35 lbs.

64 GU 452. *$8 Monthly*...........................140.00



MODEL EC-2 PORTABLE POWER SUPPLY

Versatile DC power supply provides very well-filtered, adjustable DC output of 0-16 volts at 5 amps. Ripple is less than 0.5% at full output. Extremely compact, space saving design; measures only 10¾x4¾x6½"; takes up only 4¾" on service bench. Portable; easily carried anywhere. Includes combination voltmeter-ammeter pilot light, fuse. In two-tone gray cabinet. For 117 v., 50-60 cycle AC. Shpg. wt., 11 lbs.

64 G 560. *$5 Monthly*..............................39.95

MODEL EC-1 PORTABLE POWER SUPPLY

Provides 12 volts DC with a 5-ampere output. Output has less than 0.5% ripple. Has 4-position voltage adjustment switch: off, low, medium and high. Includes pilot light; wing-nut output terminals. Regulation is 1.4 volts per amp (no-load to full-load). For 117 v., 50-60 cycle AC. 10¾x4¾x6½". 12 lbs.

64 G 561. *$5 Monthly*..............................29.95

MODEL EC-3 PORTABLE POWER SUPPLY WITH BIAS TAP

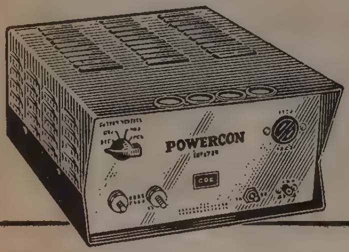
For portable transistor radio servicing. Supplies well-filtered 0-20 volts, DC, @ 150 ma continuous (24 volts @ 100 ma.). Bias tap output is 0-6 volts DC—operates radios with 1.5, 3.0, 2.8 volts, or any other bias plus center-tap radios. Meter may be switched to read output voltage or current. With output leads. For 117 v., 50-60 cycle AC. 6¼x5x3½". 5 lbs.

64 G 581. *$5 Monthly*..............................27.50

Cornell-Dubilier "Powercon" Inverters

NEW SINE WAVE

NEW SQUARE WAVE



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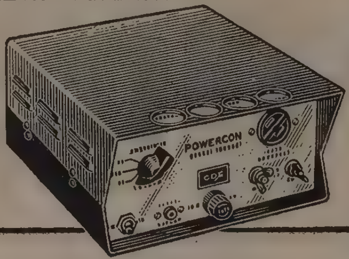

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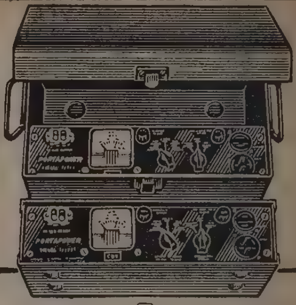


C

B STANDARD DC-TO-AC INVERTERS WITH SQUARE-WAVE OUTPUT

A wide selection of efficient, vibrator-type inverters for operating AC appliances from automobiles, aircraft, ships, commercial DC power lines or any other DC source. Output is 115 volts, 60 cycle AC with excellent stability under various loads. Excellent for operation of TV sets, radios, communications systems, tape recorders, phonos, dictating machines, shavers, power drills and many small appliances. High capabilities for intermittent overloads; wattage figures for intermittent use are rated for power factors from 70 to 100%. Superior filtering and solid mechanical design assures hash-free TV, shortwave and FM reception. Units start instantly even under heavy load—no warmup period is required. Conservatively rated. Choice of models with DC inputs of 12, 28 and 110 volts. In table, all are Fig. B except †types 12A4 and 12A6, which are similar but without finger holes.

Stock No.	Mfr's Type	Typical Applications	Input VDC	Watts		Size	Wt., Lbs.	EACH
				Cont.	Int.			
60 G 341	12A4†	Test gear, dictaphones, phonos, shavers	12	40	50	6¼x4⅛x3⅜"	6	16.29
60 GX 342	12A6†	CB gear, larger dictaphones, small amplifiers	12	60	75	6¼x4⅛x3⅜"	12	30.89
60 GX 343	12B8	Small recorders & TV sets, stereo amplifiers	12	80	100	8¾x7⅝x3⅞"	12	32.29
60 GX 344	12B10	Office machines, calculators, typewriters	12	100	125	8¾x7⅝x3⅞"	14	46.59
60 GX 346	12TV12	11" portable TV, radios, phonos, appliances	12	120	140	8¾x7⅝x3⅞"	16	29.95
60 GU 349	12D15	Small induction soldering guns, office machines	12	150	175	10⅜x9⅞x5½"	26	61.79
60 GU 350	12D22	Multi-use: camp trailer, small tools, CB, TV	12	220	250	10⅜x9⅞x5½"	31	77.59
60 GU 352	28D15	Aircraft, marine, others using 28 v. DC	28	150	175	10⅜x9⅞x5½"	26	77.95
60 GX 353	110B10	110-volt DC units for emergency power, AC	110	100	150	8¾x7⅝x3⅞"	11	38.95
60 GX 354	110B15	appliances where commercial DC is available,	110	150	200	8¾x7⅝x3⅞"	13	48.95
60 GU 355	110D25	apartments, larger boats, merchant ships;	110	250	325	10⅜x9⅞x5½"	26	57.95
60 GZ 356	110F40	type 110F40 is dual RFI wideband filtered	110	400	600	14⅛x11¼x6¼"	49	102.95

A DC-TO-AC INVERTERS WITH REGULATED SINE-WAVE OUTPUT

Similar to above, but have added reactor and capacitors to form true sine-wave output indistinguishable from commercial power. May be used as portable units or permanently mounted with optional accessory kits (table at bottom). Ideal for delicate equipment such as test and recording instruments, music systems, Amateur/commercial radio, and TV. Output is controlled between 110 and 120 volts, 60 cycle AC with 15% input voltage variation. Automatic load regulation with extremely low hum level. Inductive loads as low as 25% PF will operate without power-factor correction, but inverter volt-ampere ratings should not be exceeded.

60 GU 345	12DSW10	Like utility power; any PF load above 25%	12	100	125	10⅜x9⅞x5½"	22	69.95
60 GU 351	12ESW25	SSB, large PA systems, 100-watt amplifiers	12	250	300	12¼x9⅞x5½"	31	98.89

C "PORTAPOWER" COMBINATION DC-TO-AC INVERTER/BATTERY CHARGER

Converts the power of a 12-volt storage battery to 115-volts, 60 cycle AC—just connect battery leads to the Portapower, then plug in any 110-volt, 150-watt device to the AC outlet to have 4 to 12 hours of portable power any time, any place. When commercial AC power is available, the battery can be quickly recharged, or maintained in a standby condition, as desired. Type 12SC14 is a heavy-duty square-wave inverter and controlled or rapid charging circuit in a cabinet with charging cord. Type 12PP14 is a sturdy metal carrying case containing 12SC14 power unit and space for several popular battery sizes (supplied less battery).

60 GU 347	12SC14	For car: large tape recorders, PA systems	12	140	170	15½x11x5⅝"	19	69.95
60 GU 348	12PP14	As above but with carrying case and cables	12	140	170	9x13x9½"	24	79.95

12SP2A DC-TO-AC ELECTRIC-SHAVER INVERTER

(Not illus.) Small-sized inverter has AC outlet receptacle on top and plug for car cigar lighter. Provides 110 volts, 60 cycle AC from 12 volts DC input. Designed for powering electric shavers from auto battery—rated at 20 watts intermittent-duty only. Compact 3⅞x 2⅞x2¾" case permits storage in glove compartment when not in use. For 12 v. DC. Wt., 2 lbs.

60 G 340 .... 8.69

12TP3 POWER SUPPLY—HIGH-VOLTAGE DC OUTPUT

(Not illus.) Transistorized power supply to provide filtered high-voltage DC from a 12-volt battery or other DC source. Well suited to deliver B+ power for portable radios, mobile transmitters, receivers, P.A. systems, etc. Nominal output is 300 volts DC at 30 watts continuous, with tap for ½ rated output (150 volts). Size, 5⅞x3¾x1½". For 12 v. DC. Wt., 2 lbs.

60 G 357. *$5 Monthly* 40.00

ACCESSORY KITS FOR POWERCON INVERTERS

Type MK Mounting Kits. Heavy plate has flanges for bolting inverter case to bulkhead, wall or floor. Supplied with bolts, nuts, washer, and instructions. Av. shpg. wt., 2½ lbs.

Type LK Wire Lead Kits. Dual 16-ft. cables with heavy lugs to fit under battery clamp screw or starter solenoid. Wire sizes: LK-1016, No. 10; LK-816, No. 8; LK-616, No. 6. Wt., 3½ lbs.

Type RK-112 Remote Control Kit. Control head for underdash or post mounting. Contains switch, pilot light and AC outlet. With 12-ft. 4-wire extension cable for inverter. Wt., 1 lb.

Type FK Fuse Kits. "Hot" cable fuse block for 2" cartridge fuse and short heavy cable. For remote inverter installations. FK-220 has 20-amp fuse; FK-240, 40-amp; FK-250, 50-amp. Wt., 1 lb.

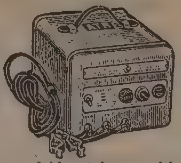
Stock No.	Mfr's Type	For Powercon Type No.	EACH	Stock No.	Mfr's Type	For Powercon Type No.	EACH
60 G 358	MK-3544-4 Mtg. Kit	12B8, 12B10 12TV12	3.30	60 G 364	FK-220 Fuse Kit	12B8, 12B10, 28D15, 12TV12, 12DSW10	2.10
60 G 359	MK-3544-5 Mtg. Kit	12D15, 12D22, 28D15, 12DSW10, 12ESW25	3.60	60 G 366	FK-250 Fuse Kit	12ESW25	2.10
60 G 360	LK-1016 Lead Kit	12B8, 28D15, 125C14	6.15	60 G 363	RK-112 Remote Kit	12B8, 12B10, 12D15, 12D22, 28D15, 12TV12, 12DSW10, 12ESW25	6.60
60 G 361	LK-816 Lead Kit	12B10, 12D15, 12TV12, 12DSW10	7.80				
60 G 362	LK-616 Lead Kit	12D22, 12ESW25	12.30				
60 G 365	FK-240 Fuse Kit	12D15, 12D22	2.70				

Inverters and Power Supplies

ATR INVERTERS AND DC POWER SUPPLIES

UNIVERSAL DC-TO-AC INVERTERS

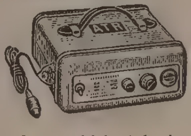
- Ruggedly Constructed
- Exceptionally Stable
- Fully Shielded to Prevent RF Interference



Universal inverters for operating 115-volt, 60 cycle AC equipment from DC voltages in autos, buses, trucks, boats, trains, planes; and areas with DC power distribution. Designed for use with standard-115-volt AC tape recorders, TV sets, radios, PA systems, electric razors, test equipment, etc. Operating efficiency is in excess of 75%. Four-point voltage regulator corrects output voltage for minimum and maximum loads, and also helps compensate for input voltages lower or higher than normal. Recommended for use with loads having power factors in excess of 70%. Not recommended for large motor driven appliances such as refrigerators, washing machines, etc. All have On-Off switches. In gray hammerloid metal cases with carrying strap. Sizes: RSF, 8½x9⅞x5¼"; RHG, 6⅞x11¼x8½"; HSJ, 6½x12⅞x8½". With battery clips; model with "P" suffix has adapter cord for auto cigarette lighter sockets. *Recommended for 24-volt operation. *Check wattage rating of equipment before ordering.*

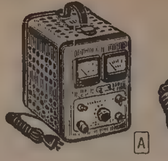
Stock No.	Mfr's Type	Input DC Volts	Output 60 Cycle	Watts		Wt. Lbs.	EACH
				Cont.	Inter.		
64 GU 527	6U-RHG	6	110 v.	125	150	27	73.00
64 GU 528	12U-RSF	12	110 v.	100	125	22	55.00
64 GU 529	12U-RSF-P	12	110 v.	100	125	22	55.00
64 GU 530	12U-RHG	12	110 v.	150	175	27	73.00
64 GU 531	12U-HSJ	12	110 v.	200	250	37	91.50
64 GU 533	28U-RHG*	28	110 v.	150	175	27	87.50
64 GU 534	50U-RSF	50	110 v.	100	150	22	66.00
64 GU 535	110U-RSF	110	110 v.	150	250	22	55.00
64 GU 536	110AU-RHG	110	110 v.	250	325	27	66.00
64 GU 537	110U-HSJ	110	110 v.	400	600	37	103.50

PORTABLE PLUG-IN TYPE DC-TO-AC INVERTERS



Lightweight inverters for operating 110 v. AC equipment from DC voltage sources. Feature excellent frequency stability and high efficiency. 6 and 12-volt units plug into cigarette lighter receptacle of any vehicle; others are equipped with standard 2-prong plugs. All are designed especially for use with dictating machines, record players, electric razors, test equipment, etc. Not recommended for tape recorders and large motor driven appliances such as refrigerators, washing machines, etc. Gray hammerloid case with leather carrying strap. Sizes: DME, 5¼x4¾x2¾": RME and RMF, 8⅜x8x3¾". *Recommended for 24-volt operation. RME and RMF types are equipped with an adjustable, 4-position voltage regulator, calibrated for low, medium, high and maximum loads. All are for use with loads having power factors over 80%. *Check wattage rating of equipment before ordering.*

Stock No.	Mfr's Type	Input DC Volts	Output 60 Cycle	Watts		Wt. Lbs.	EACH
				Cont.	Inter.		
64 G 657	6C-DME	6–12	110 v.	30	40	5	21.25
64 G 660	6C-RMF	6–12	110 v.	60	80	12	40.25
64 G 662	12-DME	12	110 v.	40	50	5	18.50
64 G 664	12T-RME	12	110 v.	90	125	12	36.50
64 G 665	28-RME*	28	110 v.	80	100	12	46.50
64 GX 666	110-RME	110	110 v.	100	150	12	43.50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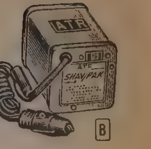
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6-12 V. DC POWER SUPPLIES

A **Type 610C-ELIF.** Specially designed DC power supply for testing and operating auto radios and other DC apparatus from regular 115 volt, 50-60 cycle AC power lines. Provides either 6 volts @ 10 amperes continuous, or 12 volts @ 6 amperes continuous with minimum ripple. Has separate voltmeter and ammeter; full wave selenium rectifier. Toggle switch selects 6 or 12 volts output. 8 position selector adjusts output. Has gray steel case, 6½x9⅛x8½". For 105 125 v., 50-60 cycle AC. 22 lbs.
64 GU 525. *$5 Monthly.* 55.00

A **Type 620C-ELIT.** Heavy-duty model. Uses dual, dry disc selenium rectifiers—provides a full wave output that assures noiseless operation. Rated output: 6 volts @ 20 amperes or 12 volts @ 10 amperes. Has separate voltmeter and ammeter; monitors current and voltage output simultaneously. 8-position voltage selector control permits adjusting voltage output to desired level. In gray steel case with handle. Size, 6½x12⅞x8½". For 105-125 v., 50-60 cycle AC. Shpg. wt., 33 lbs.
64 GU 526. *$5 Monthly*............ 73.50

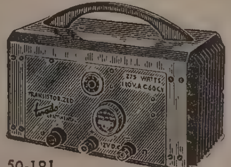
6/12 V. "SHAV-PAK" INVERTERS

B Miniature inverters that operate standard AC electric shavers from 6 and 12-volt storage batteries in autos, buses, trucks, boats and planes. Small and compact; measure only 4x2⅝x2¾". The height of convenience for traveling salesmen, executives, sportsmen, tourists, etc. Unit simply plugs into cigarette lighter receptacle on car's dashboard and changes DC battery power to standard 115-volt AC for shavers, other devices. Both 6 and 12-volt models provide 115 volts, 60 cycle AC output at 15 watts. Gray hammerloid steel case, 2½ lbs.

Stock No.	Type	DC Input	EACH
64 G 654	6-SPB	6 volts	8.63
64 G 655	12-SPB	12 volts	8.63

TERADO TRANSISTORIZED DC-TO-AC INVERTERS

- Convert 12-Volt DC to Filtered 115 Volt, 60 Cycle AC
- Output Stable to ½ Cycle; Ideal for Phonos, Recorders and Motor-Type Appliances
- Completely Transistorized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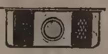
Remote Control

Model 50-191 "Continental" with Remote Control—300 Watts. Rugged transistorized unit converts 12-v. DC to 115 v., 60 cycle AC. Provides 275-300 watt filtered output with excellent frequency stability. Chrome-plated remote control mounts on dashboard—converter may be installed in trunk, out of the way. Remote control has AC receptacle, variable voltage output switch and signal light. Tuned frequency reed for perfect cycle control. Steel case, 6x10¾x6". Supplied with all plugs and cable. Shpg. wt., 30 lbs.
64 GU 629. *$7 Monthly*............ 139.13

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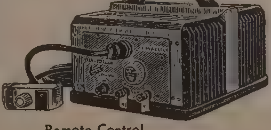
50-202


Remote Control

50-202 "Dual Continental" with Remote Control—600 Watts. Fully transistorized heavy-duty unit converts 12-volt DC to 115 volt, 60 cycle AC. Provides 550 to 600 watts of filtered output. Line frequency is stable to within ½ cycle despite changing input voltage and load—fine for tape recorders and motor-type appliances. Remote unit mounts on automobile dashboard; has AC receptacle, variable voltage switch and signal light. Cabinet size, 6x10¾x13". Supplied with battery cables. Shpg. wt., 60 lbs.
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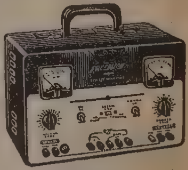

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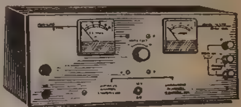

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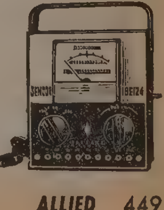

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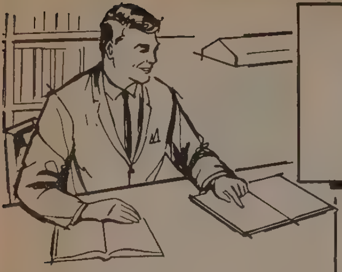

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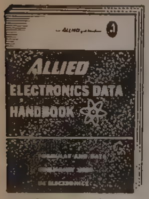

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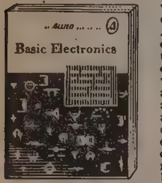

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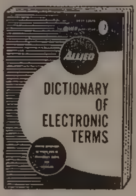

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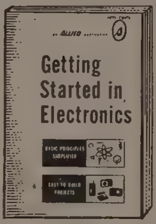

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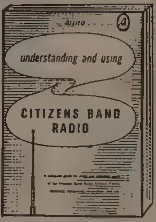

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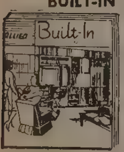

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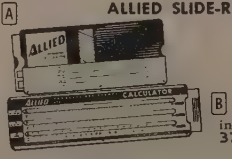

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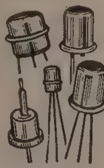

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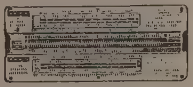

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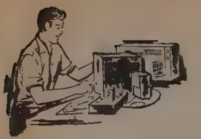

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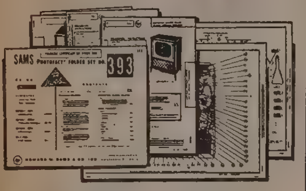

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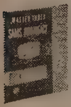

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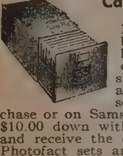

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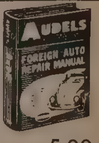

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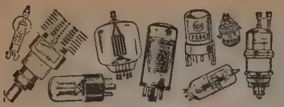

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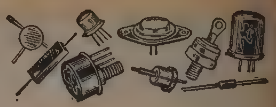

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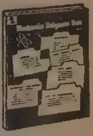

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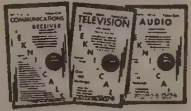

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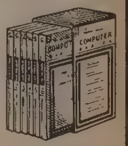

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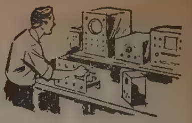

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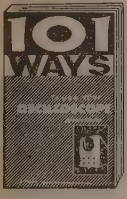

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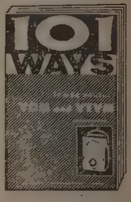

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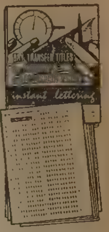

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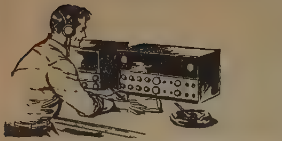

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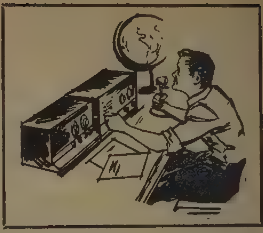

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RADIO-ELECTRONICS MADE SIMPLE. By Martin Schwarts (American Electronics Company publication). Provides reader with basic understanding of elementary radio-electronic principles. Especially useful for beginners, hobbyists, experimenters, students, etc. Illustrated. 191 pages. 6x9".
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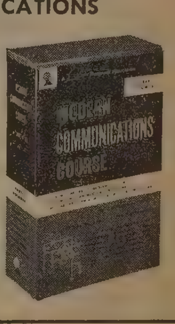

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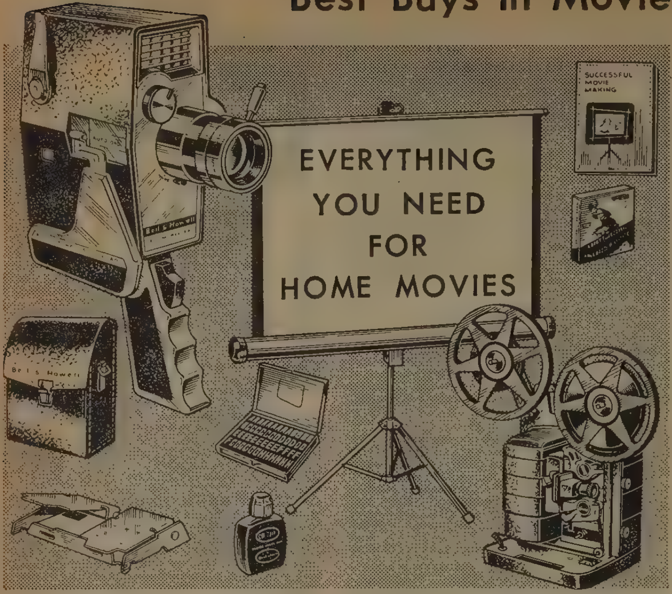

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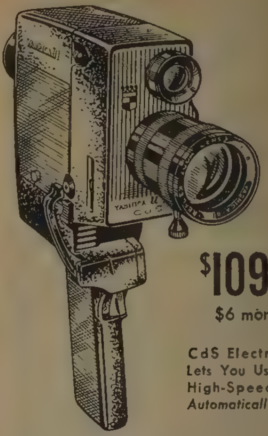

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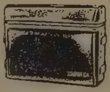

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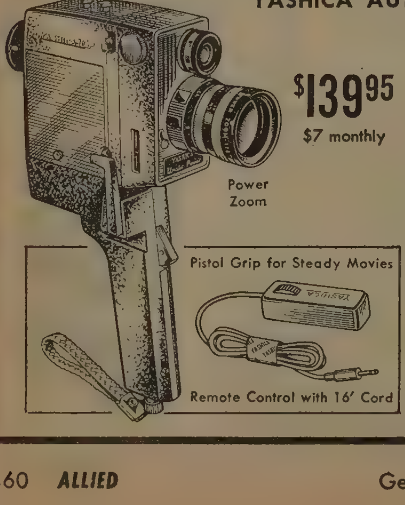

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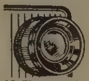

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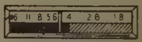

Exposure/Battery Condition Meter

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- Electric Power Zoom and Film Drive—No Lens Changing—No Winding
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All electric and loaded with luxury features. Just push a button for smooth power-zooms from 9mm wide-angle to 28mm telephoto. Separate electric motor drives film—you never stop shooting to wind the camera. Super-sensitive cadmium sulfide electric-eye sets correct lens opening, no guesswork. Fast Yashinon f/1.8 lens. Through-the-lens viewing—camera films exactly what you see in viewfinder. Microscreen Focusing "snaps" subjects into focus as close as 3½′. Film speeds; 12, 16, and 24 frames per second for accelerated, normal, or slow motion effects. Camera has manual over-ride of electric eye, plus a rewind key and footage counter to enable you to make professional fade-ins and fade-outs. Accepts films rated ASA 10-640. Built-in Type "A" filter lets you shoot indoor film outdoors. Manual zoom ring; battery-condition meter; adjustable eyepiece. Spool loading. With remote control start-stop button, pistol grip with trigger, wrist strap, 4 penlight batteries. From Japan. Shpg. wt., 6 lbs.

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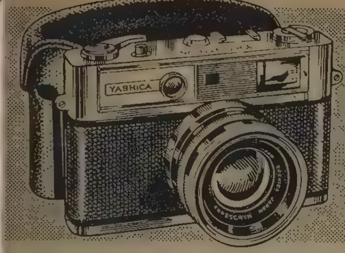

NEW YASHICA "LYNX" 5000 35mm ELECTRIC-EYE CAMERA

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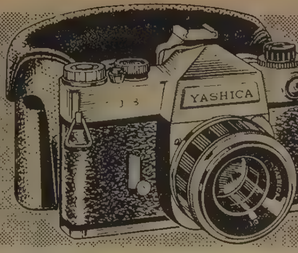
- Yashinon f/1.8 Lens
- CdS Exposure Meter
- Built-in Self-Timer
- Coupled Rangefinder

Improved "Lynx" features a built-in CdS exposure meter for greater picture-taking versatility. Meter adjusts for ASA ratings from 10 to 5000. Simplifies setting camera for proper exposure—just turn aperture ring until movable needle (visible from both top of camera and in viewfinder), matches fixed indicator. Fast Yashinon 45mm f/1.8 lens assures sharp, clear pictures. Coupled rangefinder-viewfinder with bright frame and parallax correction insures accurate focusing and framing. 11 shutter speeds from 1 second to 1/1000 of a second. Single-stroke film advance automatically cocks shutter for next picture—prevents double exposures. Has MX flash synchronization; built-in self-timer. With leather case. From Japan. Shpg. wt., 3 lbs.

24 V 895-G. *$5 Monthly*.........84.95



FINE-QUALITY YASHICA "J-3" SINGLE LENS REFLEX (SLR)

$139.95

$7 monthly

- Through-The-Lens Viewing
- Built-In CdS Meter
- Instant-Return Mirror
- 9 Shutter Speeds

A fine 35mm SLR at a moderate price. Built-in CdS exposure meter gives accurate readings even in extremely dim light conditions. Instant-return mirror ends viewfinder "blackout". Self-timer lets *you* get into the picture. Has centered accessory shoe for flashgun; high speed, fold-out rapid rewind crank. Yashinon 50mm f/2 anastigmat lens in screw-in mount has stops to f/16—accepts a variety of wide-angle and telephoto lenses in standard mount. Rapid advance lever automatically cocks shutter—makes double exposures impossible. Focus down to 21". FP/X flash synchro focal plane shutter with 9 speeds (½ to 1/500 second) plux X for electronic flash and B for time exposures. ASA 12-800. Complete with leather neck strap and carrying case. From Japan. 3½ lbs.

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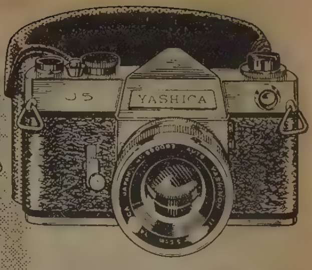

NEW YASHICA "J-5" 35mm SINGLE LENS REFLEX (SLR)

$159.95

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- Automatic Diaphragm
- 2-Range CdS Meter
- 10 Shutter Speeds

Our best 35mm single lens reflex. Hard-coated Auto Yashinon 55mm f/1.8 anastigmat lens with screw-in mount stops down to f/16, focuses to 21". Mount accepts a variety of wide-angle and telephoto lenses.

Completely automatic diaphragm and instant-return mirror deliver full-brightness-viewing before and after picture is taken. Control bar allows depth-of-field preview. Built-in CdS exposure meter measures all levels of reflected light; has high and low sensitivity positions. Meter is cross coupled to ASA scale (12-800) and shutter-speed dial.

10 shutter speeds, ½ to 1/1000 second, with B and X. 8-second self-timer; single-stroke film advance; centered accessory shoe. With leather case. From Japan. 3½ lbs.

24 V 897-G. *$8 Monthly*..........159.95

See New Knight-Kit Super-Sensitive Exposure Meter on P. 43. Only $14.95.

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SAWYER'S ®

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"ROTOMATIC 600." Combines high-quality performance with remarkable convenience and versatility. Handsome projector shows up to 100 slides without intermission—made possible by Sawyer's exclusive "Rototray." Conventional low-cost TDC 36-slide trays can also be used. Features full remote control—lets you focus the lens, change slides, or reverse the show from anywhere in the room. Has rugged die-cast metal body finished in black and chrome. 500-watt lamp and sharp 4" f/3.5 anastigmat lens team up to provide sparkling bright pictures with sharp focus from edge-to-edge. Slides are pre-heated to maintain focus. Includes one 36-slide "Easy-Edit" tray, one 100-slide "Rototray", 10' remote-control cord. Size, 12x13x13". Shpg. wt., 17 lbs.

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EXTRA 100-SLIDE "ROTOTRAY". Shpg. wt., 2 lbs.

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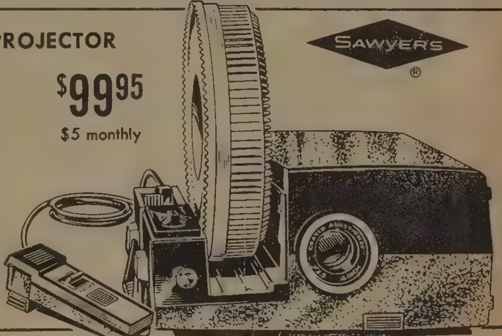

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DYNACHROME 35mm COLOR FILM

Dynachrome

20 exposures per roll. Low price includes processing and mounting of slides. Shpg. wt., 3 oz.

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MOVIECHROME COLOR

Low price includes processing. 25-ft. spool; 50-ft. reel after processing. 2 oz.

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24 V 806. Indoor. ASA 10..............2.39

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POLAROID
POLAROID

Types 48 and 108 give true-to-life color prints in just 50 seconds. Other types give black-and-white prints in 10 seconds. ASA speeds: Types 37, 47, and 107, 3000; Type 42, 200; Types 48 and 108, 75. 8 exposures per roll except Type 48, 6. Wt., 3 oz. **Order 3 rolls and Save!**

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24 V 870	48	All but 80 Series, J-33	4.74	13.98
24 V 879	107	Automatic "100"	2.18	5.97
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A modern ignition system that pays for itself in the money you save on tune-ups. Features transistorized amplifier and zener diode for up to 30% higher spark-plug voltage. Provides complete combustion (hotter spark, better mileage), and a cleaner engine (less chance of foul or miss at high speeds). Needs no condenser. Points carry only 1/10th normal load . . . no arcing or pitting . . . last thousands of miles longer. Gives you faster cold weather starts, smoother acceleration, higher top speeds. With heavy-duty coil, transistor amplifier, ballast resistor, hardware, instructions. For 6 or 12-v. negative ground (some cars need bypass relay, below). 5 lbs.
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- Reads 0-8000 Rpm Within 2% Accuracy
- Easily Hooks Up With Any Ignition System

Reduce your gas and oil bills. Increase the life of your engine, transmission and rear end the way the experts do. Shows the way to smoother gear shifting with no lugging, maximum engine efficiency and power transfer, plus better gas mileage. Illuminated 3½" dial reads 0-8000 rpm; has "red line" indicator to show you when to shift. D'Arsonval meter is accurate to within 2% of 90° scale. Transistorized circuit is zener diode controlled, overload protected. 4-way universal mounting—swivel base permits mounting under dash, on face of dash, on top of dash or on steering column. Head can be adjusted for best visibility. With instructions. For 6 or 8-cylinder, 4-cycle gasoline engines, positive or negative ground. Shpg. wt., 1½ lbs.
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DELUXE AMMETER-OIL PRESSURE-WATER TEMPERATURE GAUGE KIT

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60 60
AMMETER
20 40 60 80
ENGINE OIL PRESSURE
100 120 140 160 180 200 250
WATER TEMPERATURE

$13.95

- Deluxe Die-Cast Chrome Panel
- Illuminated Dials

Don't let costly auto trouble sneak up on you. Spot them at their onset with this handy trio. Ammeter shows rate at which battery is charging or discharging, from —60 to +60 amps. Warns you when trouble starts in generator, voltage regulator, battery or elsewhere in car's electrical system. Engine oil pressure gauge indicates exact pressure from 0 to 80 lbs. Avoids expensive repairs resulting from running engine with inadequate oil supply. Water temperature gauge reads from 100° to 250°; indicates danger zone in red numerals. Especially useful in hot summer months to warn of overheating engine. Supplied with bulbs, plus all fittings and wire. Enclosed in an attractive, polished die-cast chrome panel that mounts easily under car dash. For 12-v. systems only. 2 lbs.
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$12.95 Prevents Trouble Before It Starts. Illuminated Dials.

VOLT "CHEK"-AMMETER-OIL GAUGE

Accurately check your engine's overall performance, especially its electrical system. Voltage "chek" and ammeter give complete outlook on battery condition, operation of generator and voltage regulator. Ammeter reads —60 to +60 amps; oil pressure gauge, from 0 to 80 lbs. Polished, die-cast chrome panel. With bulb, fittings, wire, terminals, instructions. For use with 6 or 12-v. systems. Shpg. wt., 1¾ lbs.
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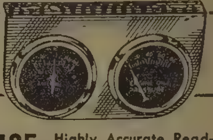

$5.95 Highly Accurate Readings... Illuminated Dials . . . Chrome Panel.

AMMETER-OIL PRESSURE GAUGE KIT

Eliminates the guesswork involved with red warning lights. Gives you a definite indication of trouble developing in engine before it can really get started. Protects you from costly repairs. Ammeter reads from —60 to +60 amps; oil pressure gauge, from 0 to 80 lbs. Enclosed in handsome, diamond stripe chrome panel. With bulb, fittings, wire, terminals and instructions. For 6 or 12-v. systems. Wt., 1½ lbs.
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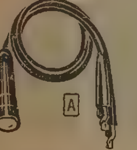

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B Vacuum Fuel Pump Tester **$2.89**

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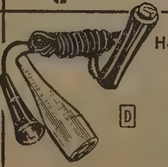

D Heavy Duty Remote Starter **$1.98**

A ECONOMY TIMING LIGHT

Helps locate ignition problems, tests spark advance and synchronize double points. For 6, 12 or 24-v. systems. 1 lb.
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B VACUUM AND FUEL-PUMP TESTER

Checks idle adjustment, leaky valves or gas line, defective rings. 2½" dial reads 0-30" of vacuum, 0-7 lbs. of pressure. With 3½-ft. hose and fittings. Shpg. wt., 1½ lbs.
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C COMPRESSION TESTER

Pinpoints trouble connected with cylinders. 2½" dial reads 0-300 lbs. Offset stem; universal rubber cone. 1½ lbs.
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When you work alone, lets you crank engine from outside of car. Pushbutton switch; 48" leads. Wt., 1 lb.
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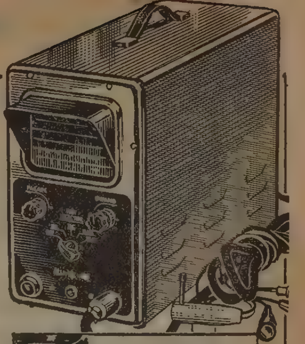
and Improve Your Car's Performance

ALLEN TUNE PROFESSIONAL AUTO ANALYZER SCOPE

- Extremely Simple to Operate—Only 3 Controls and 3 Connections
- Gives Visual Display of Engine's Entire Internal Performance
- For Testing and Servicing All 4, 6 and 8 Cylinder Engines

$139.95
$7 Monthly



Easiest way imaginable to check auto performance! Patterns on 5″ scope help you analyze ignition system, engine performance and various mechanical functions. Instruction booklet clearly diagrams scope picture for various malfunctions. 3 basic connections handle all tests: to distributor primary, to No. 1 plug socket and to coil high tension wire. Selector switch gives instant choice of primary, secondary, 15 kv and 30 kv patterns. Expand control "spreads" pattern for closer examination of details of each firing cycle and each cylinder. Parade control enables you to position complete ignition pattern, or any expanded portion of it. Controls on rear panel adjust intensity, focus and vertical centering. Inputs for test leads and timing light. **Range:** 0-30 kv. **Dwell measurement:** 0-60°. Checks 4, 6 and 8 cylinder engines @ 250-2500 rpm. With easy instructions. Less timing light. 11¼x 9x16″. For 115 v., 50-60 cycle AC. Shpg. wt., 28 lbs.
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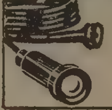
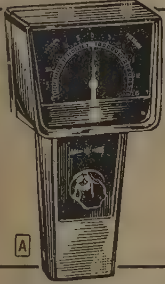
54 N 046-G. Timing light. Use only with Analyzer above to time ignition and to check synchronization of double breaker arms, sticking automatic advance mechanism and cam wear. 9-ft. cord and plug. 1 lb... **9.98**



OPTIONAL TIMING LIGHT
$9.98



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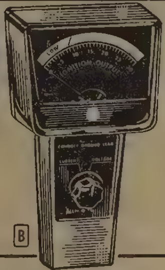

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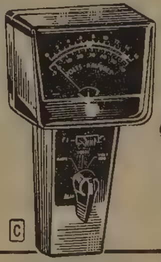

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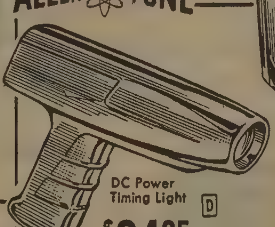
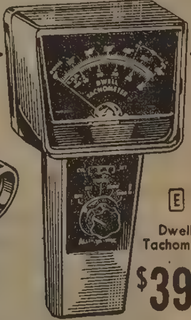


DC Power Timing Light
$24.95



Dwell/ Tachometer
$39.95

A FUEL SYSTEM ANALYZER

A single precision vacuum and pressure gauge that checks out the entire fuel system of any car, small truck, boat or tractor. Saves on gas and costly engine repairs. Helps you to keep your engine running at peak performance. Detects leaks in intake system, cylinder head, valves, rings and gas line as well as incorrect idle mixture or fuel pump pressure, pre-mature ignition and restrictions in exhaust system. Color-coded scale reads 0-30″ of vacuum, 0-15 lbs. of pressure. Can read vacuum and pressure of latest model fuel pump on any engine design. Chrome with black dial. With all needed accessories. Wt., 5 lbs.
54 N 023-G..**14.95**

B IGNITION OUTPUT TESTER

Avoid expensive auto repairs by catching ignition problems before the damage is done. Checks high tension voltage and current developed by ignition system. Pinpoints trouble caused by bad spark plug cables, defective distributor rotor or condenser, bad ignition coil, open connections, cracked distributor cap and many more. Color-coded scale reads 0-30 volts/amps. Easy to hook up—2 connectors test all cars, trucks and tractors. With all needed accessories. Shpg. wt., 5 lbs.
54 N 024-G. *$5 Monthly*..............................**29.95**

C VOLT-AMP TESTER

A "must" for precision auto tune-ups. Provides quick, accurate tests of alternator, generator, single or double contact voltage regulators, current regulator and cutout or reverse current relays. Easy to operate—has only 2 controls: 3-position test selector for amps, volts or voltage regulation; 2-position polarity switch for positive and negative ground systems. One basic connection for engines of all cars, small trucks, boats and tractors. Oversized meter with dual scale reads 0-16 volts, −5 to +60 amps. Has built-in overload protection. Chrome with black dial. With all needed accessories. Shpg. wt., 5 lbs.
54 N 040-G. *$5 Monthly*..............................**29.95**

D DC POWER TIMING LIGHT

Helps the professional or do-it-yourself mechanic to check timing, sticking automatic spark advance, cam wear and sync of double breaker arms. Power supply greatly increases intensity of flash—no need to paint or otherwise emphasize time marks. Prefocused lens emits highly concentrated flashes that can be seen even in sunlight. Built-in spark gap and shielded flash tube eliminate double firing. Automatically adjusts to 6 or 12-volt systems. Has 3 six-foot alligator clip leads: one clips to spark plug cable, other two clip to battery. Polished aluminum. 3½ lbs.
54 N 025-G. *$5 Monthly*..............................**24.95**

E DWELL/TACHOMETER

Two meters in one: hand-held dwell angle meter and tachometer for precise engine tune-ups. Accurately measures cam angle of any 4, 6 or 8 cylinder engine. Locates defective breaker plate; checks settings for carburetor, automatic transmission and multi-carburetor balance. Even checks most magnetos. Gives dwell readings from 0° to 60° (Double 8-cylinder scale to obtain readings of up to 90° for 4-cylinder engines). Tachometer has dual range scale: 200-1000-rpm for precision settings (carburetor and transmission adjustments); 1000-5000-rpm for intermediate and high speed readings. 6-position selector switch. Chrome case. With 6-ft. insulated test leads. For 6 or 12-volt DC systems. Shpg. wt., 5 lbs.
54 N 022-G. *$5 Monthly*..............................**39.95**

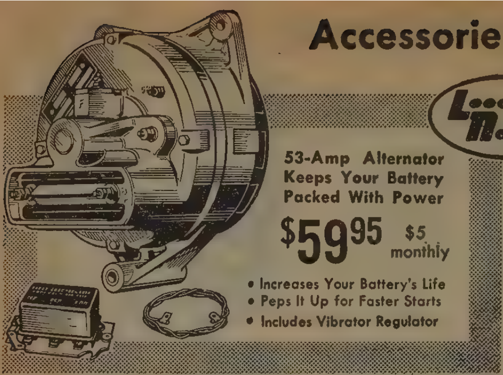
MOTOR'S AUTO REPAIR MANUAL

MOTOR'S AUTO REPAIR MANUAL

Everything you need to know to repair over 2500 American standard and compact cars from 1957 to 1964 (1958-1965 edition will automatically be shipped when available). Over 1300 pages with 2850 "show-me-how" pictures, 285 tables, more than 30,000 specs and 225,000 repair facts. Size, 8½x11″. Shpg. wt., 6 lbs.
37 K 283..**9.95**

See Knight-Kit Section for More Auto Accessories

Accessories to Upgrade Your Car



53-Amp Alternator Keeps Your Battery Packed With Power

$59.95 $5 monthly

- Increases Your Battery's Life
- Peps It Up for Faster Starts
- Includes Vibrator Regulator

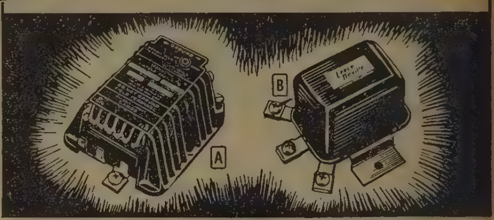
MODEL 6200 53-AMP ALTERNATOR SYSTEM

Keep your battery at a high charge level. Alternator does much more than an old-style generator. A generator may let your battery discharge at idle when heater, defroster, headlights, etc. are running. This leaves your battery in weak condition, preventing quick start, or any start at all. But this alternator provides up to 15 amps output even at idle! Weighs less than a generator and takes less space. Great for mobile CB'ers and Hams. Splashproof windings. Includes regulator, 3/8" single pulley (not adaptable for air-conditioned cars using 2 drive belts), universal mtg. bracket, cables, instructions. For 12 VDC systems, neg. or pos. Wt., 17 lbs.
54 NX 039. *$5 Monthly*............................59.95

TRANSISTORIZED 80-AMP ALTERNATOR SYSTEM

Deluxe heavy-duty version of above. Alternator has integral *transistorized* regulator. 20 amps at idle. Universal mounting bracket, cable, pulley, instructions. For all 12-v. systems. 25 lbs.
54 NU 041. *$10 Monthly*............................189.95

Leece-Neville **NEW!** **ALL-TRANSISTOR VARIABLE VOLTAGE REGULATORS**

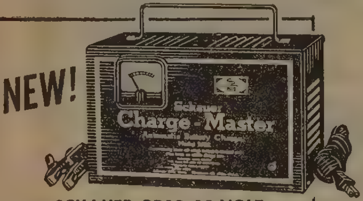


ALL-TRANSISTOR VOLTAGE REGULATORS FOR ALTERNATOR SYSTEMS ONLY

Long life . . . no moving parts! Proven by 100,000 mile-tests. Replaces original-equipment vibrator-type regulator on cars below. Prevents alternator or battery damage, prolongs their life. Rugged, finned, cast-aluminum housing protects components and promotes maximum cooling. Optimum rate of charge for summer or winter driving is easily adjustable by means of a built-in potentiometer. Adapts for ammeter-gauge or red-light indicators. For 12-v. negative ground. Easy to install.

A B **MODEL 33EA.** With separate field relay. For all models of Buick, Cadillac, Chevy, Olds, '63-5; Tempest, '64-5; all models of Lincoln, Mercury, T-Bird, '63. Wt., 2¼ lbs.
54 N 042-G..16.95

A **MODEL 34EA.** For full-size Dodge, Plymouth, '61-5; Chrysler, Dodge 880, '62-5; Dart, Valiant, full-size Pontiac, '63-5, all models Linc., Merc., T-Bird, '64-5; Temp., '63. 2 lbs.
54 N 043-G..12.95



SCHAUER BR12 12-VOLT 6-AMPERE AUTOMATIC CHARGER

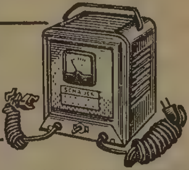
"Charge Master" **$18.95** **Easy to Use**

- Simple . . . Operates Unattended
- Automatically Drops to Trickle Charge When Battery is Restored

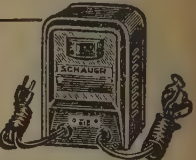
The most practical charger for batteries of cars, trucks, and boats that will be left unattended for periods of time. Simply hook up the charger and turn it on. When the battery is fully charged, the current automatically shuts off! Then the charger automatically introduces a safe, "trickle" charge that keeps the battery in a fully charged condition. Has accurate numeral-dial ammeter. Clip terminals for attaching to battery. 6x9¼x5½". For 110-120 volt, 60 cycle AC. Shpg. wt., 9 lbs.
54 N 044.................18.95

SCHAUER 6 AND 12-VOLT BATTERY CHARGERS

10-AMP $15.75



4-AMP $9.95



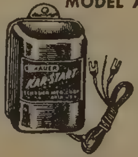
4, 6, AND 10-AMP CHARGERS FOR BOTH 6 AND 12-VOLT BATTERIES

Car owners who use electrical accessories such as heater, radio, fan, defroster, or air conditioner to a great extent, find these units excellent for restoring car batteries to full charge overnight. Perfect for winter when cold-weather starts cause excessive drain on your battery. Switch selects 6 or 12-volt operation. Automatic safeguard prevents short-circuits and overloads. Accurate ammeter calibrated to 4, 6, or 10 amps (depending on charger you select) shows exact rate of charge. Handy clip terminals attach to battery in seconds; no need to disconnect or remove battery. For 110-120 v., 60 cycle AC.

54 N 003. 10-Amp Model C4612. Fully charges battery in 6 hours or less. Ideal for fast charges when equipment is not in use. 7¼x6¼x6⅛". 10¼ lbs............................15.75

54 N 001. 6-Amp Model B4612. As above, but charges in 7-9 hours. 8½ lbs...........11.95

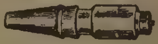
54 N 000. 4-Amp Model A5612. Charges in 10 hours. 6¼x4¾x4¼". 4¾ lbs.......... 9.95



MODEL A8478 CONVENIENT "KAR-START"

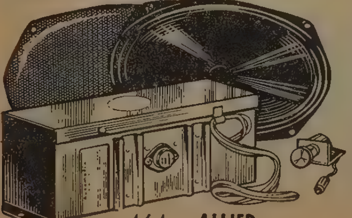
Helps start your car instantly in cold and wet weather! Sends 5 times normal voltage through spark plugs. Disconnects automatically when engine starts. Cannot harm performance, plugs, or distributor. Only 3 wires to connect. For 6 and 12 v. Size, 2⅝x1⅝x2". Shpg. wt., 6 oz.
54 N 005.........................4.92

A8412 CHARGER PLUG



Connects charger to battery by plugging into car's cigarette lighter. May be used as replacement plug for converters. For 12 v. 4 oz.
54 N 006..............99¢

AUTOMATIC RADIO



"REVERB-A-MATIC" AUTO RADIO SPEAKER SYSTEM

$27.95

- Thrilling Stereo Effect Created in Your Car by Reverberation Process
- Your Car Comes "Alive" with Musical Sensations of a Mobile Concert Hall
- All-Transistor System is Easy to Install with Step-by-Step Instructions

Gives your car radio a new dimension! Delays the sound from radio for a fraction of a second, passes it through a transistorized amplifier, and reproduces it through the rear deck speaker. Easily installs as rear deck speaker system that can be effectively phased in with radio. Includes: reverberator/amplifier, 6x9" speaker, grille, wire harness and fader control panel with light to warn that system is still on when radio is off. '64 Pontiac and Oldsmobile radios require transformer below for Delco radios. For all 12-v. negative systems. Shpg. wt., 6½ lbs.
54 N 027..............................27.95
54 N 028. Transformer. 1 lb.............1.49

You Always Have Top BUYING POWER with your ALLIED CREDIT FUND

FOR ONLY $5 MONTHLY YOU CAN BUY UP TO $100

Just Say "Charge It," and We Will Open an Allied Credit Fund Account for You

Get These 7 Outstanding Advantages . . .

1. **Continuous buying power**—your Allied Credit Fund is like a lump deposit of money invested by Allied in your good faith, set aside in your name and ready for use by you alone at any time.
2. **Extra buying power**—for only $5 monthly you can buy up to $100.00.
3. **Permanent and self-replenishing**—whenever you buy at Allied, you draw out of your Credit Fund, but every payment you make goes back into your Credit Fund ready for you to use over and over again.
4. Take more than 2 years to pay.
5. Make "add-on" purchases at any time without a down payment.
6. You always know where your accounts stands—you get a full statement each month.
7. Best credit terms in the Industry.

Plus Benefits: A single low monthly payment brings you anything Allied sells. All you pay is a small monthly service charge, which is automatically reduced every time you make a payment. No service charge at all if paid in 30 days.

Here's How Allied's CREDIT FUND Works . . .

When you first open an Allied CREDIT FUND account, we set up a Credit Fund in your name. It allows you a definite amount which we set aside in a lump sum credit deposit for your personal use. Buy anything you want.

You always know exactly how much more credit is available to you. Under the CREDIT FUND Plan, you can enjoy top buying power for low monthly payments. Example: For a monthly payment of only $20.00 you can buy up to $480.00.

● To Open Your Credit Fund Account . . .

To enjoy the advantages of an Allied CREDIT FUND account, fill in application on back of our order blank—send it in with your order and down payment.

● Low Monthly Payments . . .

You can use all or any portion of the amount in your Fund. Your monthly payments depend on the amount you use (see Table at right).

Each time you buy, you draw against your Fund, but each payment you make goes toward building up more and more credit because you are continually replenishing the Fund. This means you can "add-on" new orders at any time,—up to the full amount of your Credit Fund.

● No Down Payment on "Add-on" Orders . . .

You can "add-on" orders at any time for the unused amount in your Fund with no money down. Just sign your order in the space provided (minimum order $10.00). Determine your monthly payment in the following way:

1. Combine amount of your "add-on" order with your present unpaid balance.
2. See Table at right to find monthly payment for new unpaid balance.
3. If the monthly payment is the same or less than the amount you are currently paying, no change in your monthly payment is required.
4. If monthly payment for your "add-on" order, plus your present unpaid balance is more than you currently pay, we will show the new monthly payment on your next statement.

● Simplest, Easiest Plan . . .

Because you get a detailed personal statement each month, you don't have to bother with bookkeeping. You can check accuracy in seconds. Your CREDIT FUND Plan is the last word in low-cost convenience.

No application accepted from persons under 21 years of age.

Have Everything You Want or Need in Electronics—Open an Allied Credit Fund Today or Send an "Add-on" Order

ONLY $5.00 DOWN ON ORDERS UP TO $100.00 AND ONLY $10.00 DOWN ON ORDERS OVER $100.00

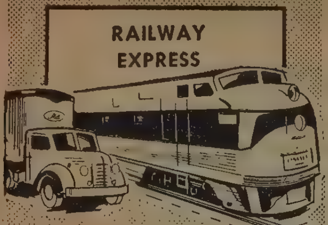
CREDIT FUND PAYMENT TABLE

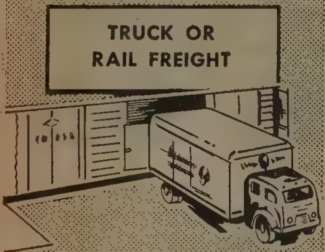
Monthly Payment	Unpaid Balance (Total amount less any payment)
Only	Buys Up To
$5	$100
$6	$120
$7	$140
$8	$160
$9	$180
$10	$200
$11	$220
$12	$240
$13	$260
$14	$280
$15	$310
$16	$340
$17	$370
$18	$400
$19	$440
$20	$480
$21	$500
$22	$525
$23	$550
$24	$575
$25	$600
$26	$625

Over $625—Monthly payments will be in proportion to amounts on chart.

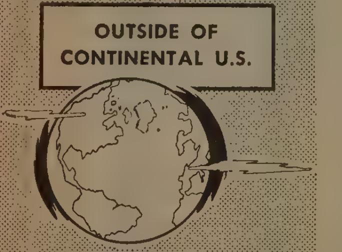
Small Service Charge. Only a small service charge of 1½%, minimum 50c, is added to your monthly balance. There are no other charges. Your monthly statement shows exactly what you pay, what you owe and how much unused credit you have.

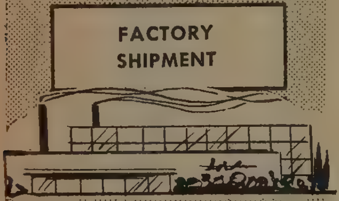
HELPFUL SHIPPING AND





AIR FREIGHT OR AIR EXPRESS


OUTSIDE OF CONTINENTAL U.S.



SHIPMENTS ARE INSURED

TRUCK AND RAIL FREIGHT. For heavier shipments, freight is most economical. Approximate rates below, vary in different areas. Shipping charges are collected on delivery.

HOW TO ESTIMATE TRUCK FREIGHT CHARGES

Minimum Charge 100 Lbs.	Maximum Distance in Miles							
	50	150	300	500	750	1000	1500	2250
	$4.41	$4.41	$4.68	$4.91	$5.94	$6.46	$8.38	$9.83
150 Lbs......	4.41	4.41	4.68	5.12	6.24	6.88	12.57	14.76
200 lbs.......	4.41	4.84	6.18	6.82	8.32	9.18	16.76	19.68
For Each Extra Lb.	Add 2¢	Add 3¢	Add 3¢	Add 4¢	Add 4¢	Add 5¢	Add 8¢	Add 10¢

EXPRESS. Fastest way to ship unmailable equipment. Remit full amount for merchandise, but do not send money to cover Express charges, which are collected on delivery. "U" or "Z" in Stock No. designates an unmailable item.

HOW TO ESTIMATE EXPRESS CHARGES

(Rates are about 10% higher to eastern states.)

Weight in Pounds	Mileage							
	50	150	300	500	750	1000	1500	2250
5	$3.25	$3.30	$3.40	$3.50	$3.60	$3.65	$3.70	$3.75
10	3.40	3.50	3.65	3.90	4.10	4.20	4.25	4.70
15	3.55	3.65	3.95	4.25	4.60	4.75	4.80	5.65
20	3.65	3.85	4.20	4.65	5.10	5.30	5.35	6.60
25	3.80	4.05	4.30	5.05	5.60	5.85	5.95	7.50
35	4.10	4.40	5.05	5.85	6.55	6.90	7.15	9.40
45	4.35	4.75	5.60	6.60	7.55	8.00	8.40	11.30
55	4.60	5.15	6.15	7.40	8.50	9.10	9.60	13.15
70	5.00	5.70	6.95	8.55	10.00	10.70	11.45	15.95
80	5.30	6.05	7.50	9.30	10.95	11.80	12.65	17.85
For each 100 Lbs.	5.80	6.75	8.55	10.80	12.85	13.85	14.95	21.40

SHIPPING BY AIR FREIGHT AND AIR EXPRESS

If you have a "rush" order that must arrive sooner than you can get it by surface transportation, we will ship via air freight or Air Express, upon your request. Please contact your local freight or Express agent for complete information about shipping costs. Remit enough with your order to cover value of merchandise, but send nothing for transportation charges, which are collected upon delivery.

SHIPMENTS OUTSIDE OF CONTINENTAL UNITED STATES

We ship orders to Canada, Alaska, Hawaii, APO's, FPO's and U.S. possessions. See detailed information, below. Please allow 30 to 60 days for delivery. We also ship to foreign countries—see "Export Orders," page 468.

CANADA. Our prices are in U.S. currency. We deduct 10% from face value of remittances in Canadian currency. Please add 10% to such remittances. Parcel Post limits: 25 lbs. and 72 inches (length plus girth). 80c for first 2 lbs.; 30c for each additional lb. Insurance fees, below. No C.O.D. or Air Parcel Post. We can ship Express or freight.

ALASKA AND HAWAII. Parcel Post shipments are limited to 70 pounds and 100 inches (length plus girth). Zone 8 rates apply. Insurance fees, below. Air freight, Express, truck or ship, require Marine and Risk Insurance. Air freight or Air Express—10c per $100.00 valuation; truck or ship, 50c per $100.00 valuation.

APO'S AND FPO'S. Air and surface shipments are usually limited to 70 pounds and 100 inches (length plus girth). Exceptions do exist, so please determine restrictions to your APO or FPO before ordering. Remit charges as follows: **Surface Shipments**—New York APO's and FPO's, use Zone 5 Parcel Post rates; San Francisco, use Zone 8 rates. **Air Shipments**—all are 80c per pound. No C.O.D. shipments please.

U.S. POSSESSIONS. Parcel Post shipments to Canal Zone, Canton Island, Guam, Marianna and Marshall Islands, Puerto Rico (*see note below), Samoa, Virgin Islands and Wake Island are limited to 70 lbs. and 100 inches (length plus girth). Remit for charges based upon Zone 8 rates. No C.O.D. shipments. *Note: Commonwealth of Puerto Rico imposes excise taxes on electrical appliances (hi-fi systems, components, etc.) of at least 15% of invoice price, collected on delivery.

SHIPMENTS DIRECT FROM FACTORY

The letter "F" preceding any of our Stock Nos. indicates merchandise that is shipped directly from the factory collect by Express or truck only. Freight and Express charges are based upon the distance from factory to point of destination.

PARCEL POST AND UNITED PARCEL SERVICE SHIPMENTS ARE INSURED

To provide you with complete protection, we insure all shipments with a dependable private insurance company. In case of loss or damage in shipment, adjustment is made easily and quickly. When preparing your order, please allow for insurance fees at the rates shown below.

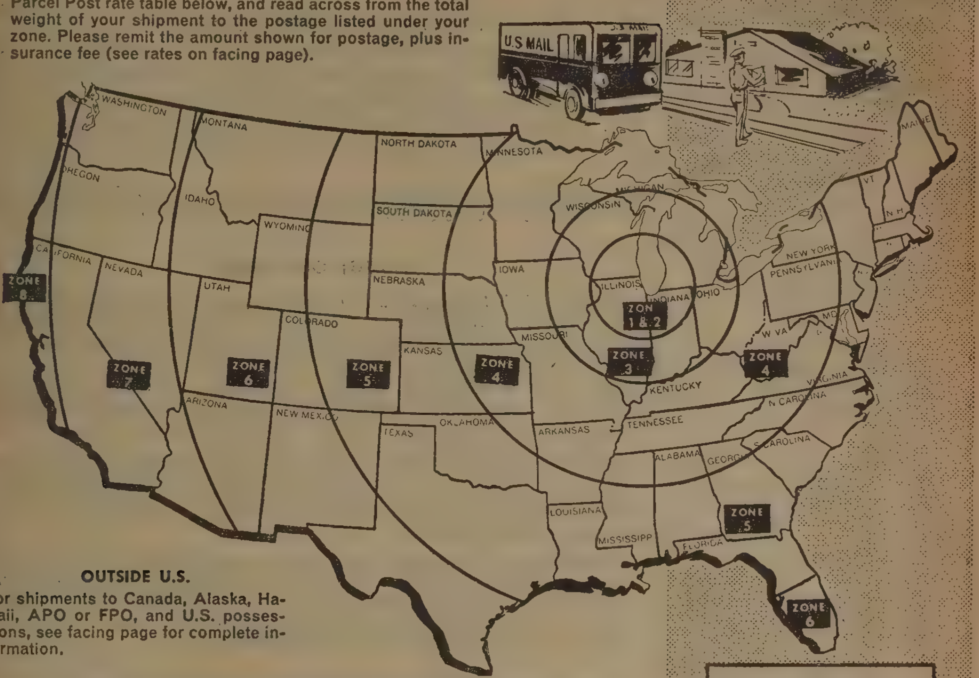
Up to $10.00	10c
$10.01 to $50.00	20c
$50.01 to $100.00	30c
$100.01 to $200.00	40c

DELIVERY INFORMATION

HOW TO ESTIMATE PARCEL POST CHARGES

Locate your zone on the Parcel Post zone map below, and note the numbered area in which it falls. Then refer to the Parcel Post rate table below, and read across from the total weight of your shipment to the postage listed under your zone. Please remit the amount shown for postage, plus insurance fee (see rates on facing page).

PARCEL POST


U.S MAIL
WASHINGTON
MONTANA
NORTH DAKOTA
MINNESOTA
MAINE
OREGON
IDAHO
WYOMING
SOUTH DAKOTA
WISCONSIN
MICHIGAN
VT
N.H.
CALIFORNIA
NEVADA
UTAH
NEBRASKA
IOWA
ILLINOIS
INDIANA
OHIO
NEW YORK
PENNSYLVANIA
ZONE 8
ZONE 1 & 2
COLORADO
KANSAS
MISSOURI
MD
W VA
ZONE 7
ZONE 6
ZONE 5
ZONE 4
ZONE 3
ZONE 4
VIRGINIA
KENTUCKY
ARIZONA
NEW MEXICO
OKLAHOMA
N CAROLINA
TEXAS
ARKANSAS
TENNESSEE
S CAROLINA
ALABAMA
GEORGIA
LOUISIANA
MISSISSIPPI
ZONE 5
FLORIDA
ZONE 6

OUTSIDE U.S.

For shipments to Canada, Alaska, Hawaii, APO or FPO, and U.S. possessions, see facing page for complete information.

Up to 16 ounces, all zones allow 4c for first 2 ounces, 2c for each additional ounce

The post office charges a fraction of a pound as a full pound. For example, if the total weight is 5 pounds and 1 ounce to Zone 4, postage would be for 6 pounds (80¢).

WEIGHT 1 Lb. and Not Exceeding	Chicago	1st & 2nd Zone up to 150 mi.	3rd Zone 150 to 300 mi.	4th Zone 300 to 600 mi.	5th Zone 600 to 1000 mi.	6th Zone 1000 to 1400 mi.	7th Zone 1400 to 1800 mi.	8th Zone Over 1800 mi.
2	$0.29	$0.40	$0.42	$0.46	$0.52	$0.59	$0.66	$0.72
3	.31	.46	.49	.55	.64	.73	.83	.93
4	.33	.51	.55	.64	.75	.88	1.01	1.13
5	.35	.57	.62	.72	.87	1.02	1.18	1.34
6	.37	.62	.68	.80	.97	1.15	1.34	1.53
7	.39	.68	.75	.88	1.07	1.28	1.50	1.73
8	.41	.73	.81	.95	1.18	1.41	1.66	1.92
9	.43	.78	.87	1.03	1.28	1.53	1.82	2.12
10	.45	.83	.93	1.10	1.38	1.66	1.98	2.31
11	.47	.88	1.00	1.18	1.48	1.78	2.14	2.48
12	.49	.93	1.06	1.26	1.58	1.90	2.29	2.66
13	.51	.98	1.12	1.33	1.69	2.02	2.44	2.83
14	.53	1.03	1.18	1.41	1.79	2.14	2.60	3.01
15	.55	1.08	1.24	1.48	1.89	2.25	2.75	3.18
16	.57	1.13	1.30	1.56	1.99	2.37	2.90	3.36
17	.59	1.18	1.36	1.64	2.09	2.49	3.06	3.53
18	.61	1.23	1.42	1.71	2.20	2.61	3.21	3.71
19	.63	1.28	1.48	1.79	2.30	2.73	3.36	3.88
20	.65	1.32	1.54	1.86	2.40	2.85	3.51	4.06
For Each Extra Lb.	Add 2¢	Add 4¢	Add 5¢	Add 7¢	Add 9¢	Add 12¢	Add 15¢	Add 18¢

Over 20 pounds shipped truck or express. See Page 466.

AIR PARCEL POST SHIPMENTS

We will ship your order via Air Parcel Post upon your request. Rates are given in the table, below. Size and weight limits are 70 lbs. and 100 inches (length plus girth).

7¢ per ounce, up to 8 ounces

ZONES	1, 2 & 3	4	5	6	7	8	U. S. Territories, Possessions and APO & FPO Addresses, 80¢ per lb.
1st Lb.	68¢	73¢	78¢	83¢	83¢	88¢	
For Each Extra Lb	Add 48¢	Add 50¢	Add 56¢	Add 64¢	Add 72¢	Add 80¢	

VIA AIR PARCEL POST

"U" AND "Z" ITEMS

The letter "U" or "Z" in our Stock Nos. (as in 95 DU 035, or 91CZ 331) identifies items that are fragile or exceed parcel post size or weight limits. We ship them by Express or truck. ("U" items shipped by United Parcel Service in Chicago, Zones 1, 2, 3, and other areas serviced.)

ABOUT C.O.D. ORDERS

To save you money, we strongly recommend that you send a remittance with your order, or use your Allied Credit Fund Plan (see page 465). The Post Office charges a collection and a money order fee. Minimum C.O.D. order that we process, is $5.00, with a deposit of at least 20% required.

PARCEL POST C.O.D. FEES:

$0.01 to $5.00 . 40¢	$25.01 to $50.00 . . 80¢
5.01 to 10.00 . 50¢	50.01 to 100.00 . . 90¢
10.01 to 25.00 . 70¢	100.01 to 200.00 . . 1.00

MONEY ORDER FEES:

From $0.01 to $10.00	.20¢
From 10.01 to 50.00	.30¢
From 50.01 to 100.00	.35¢

IMPORTANT ORDERING INFORMATION

TERMS

CASH TERMS

When you buy from us for cash (money order or check), please send sufficient funds to cover the full amount of the merchandise ordered, plus postage and insurance fees. (See preceding two pages for full information on how to estimate posttage and determine insurance rates.) No money should be sent to cover Express or truck charges, which are collected on delivery. If your remittance comes to more than the actual cost, every penny will be promptly refunded.

CREDIT TERMS

Increase your buying power with an Allied Credit Fund Account. Only $5.00 down on orders up to $100.00; and only $10.00 down on orders over $100.00. Take over 24 months to pay. Your single, low monthly payment brings you anything that Allied sells. Add-on-orders require only your signature—no down payment is needed. Your application form is on the back of our order blank. See page 465 for complete information.

ALLIED'S GUARANTEE TO YOU

Every item of merchandise that you buy from us must satisfy you in every way, or we want you to return it to us at once, for exchange, repair or refund. You can order any merchandise listed in our catalogs and sale books at any time, with the knowledge that Allied always guarantees your satisfaction or your money back.

ABOUT OUR PRICES

You Pay NET Catalog Prices. Catalog prices are net, f.o.b. Chicago, except where otherwise indicated. Our NET catalog prices are the prices you pay on shipments within the United States, and to Canada and Puerto Rico. For shipments to other countries, see "Export Orders" below.

Your Order Is Shipped at Current Prices. Prices in this catalog replace prices in all previous Allied catalogs, and are subject to change without notice. Orders will be filled at prices in effect at time of shipment.

You Get Immediate Benefit of Any Price Reductions. If prices are reduced during the life of this catalog, we will give you the advantage of the new, lower prices and refund the difference. We reserve the right to add any federal, state or local taxes now in effect, or which may be levied at any time after this catalog is printed.

Export Orders. The minimum export order we can accept is for $50.00 in U.S. currency. Prices are net, F.O.B. Chicago. Include 20% over merchandise value for packing and shipping costs; 15% on orders over $250.00. These charges cannot be exactly estimated in advance. Any amount of your remittance in excess of actual shipping charges, will be refunded.

IF IT IS NECESSARY TO WRITE TO US . . .

We return your order papers with an invoice that summarizes prices and transportation charges. If you write to us about your order, please include all order papers and any correspondence that we have returned to you. If you don't have the order papers, please provide us with the Stock Nos. and description of the merchandise, as well as the name and address that appeared on the original order.

TO HELP YOU WRITE YOUR ORDER

Please Use Our Order Blank. To speed your order, please fill in all information requested.

Indicate Method of Shipment. We ship by Parcel Post, Express, freight, and United Parcel Service delivery truck. See the 2 preceding pages for rate charts.

Cash Orders. On cash orders, please remit full amount for items ordered, plus postage and insurance. Don't worry about sending too much. Every extra cent will be refunded.

Shipping Weights. Weights in catalog and rate charts (preceding 2 pages) give shipping costs.

Insurance. To protect you, we insure all Parcel Post shipments with a dependable private insurance company. See page 466 for rates.

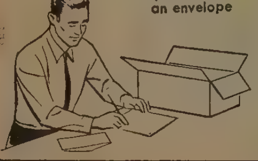
How to Send Money. Please send your remittance by Post Office or Express money order, bank draft, or check. Please do not send stamps. If you must send cash, please be sure to register your letter.

TO RETURN MERCHANDISE FOR ANY REASON . . .

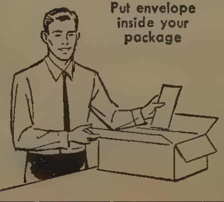
Parcel Post. Place instructions, order papers and correspondence in an envelope inside package. Mark "First Class Mail Enclosed" and add extra 5c postage for letter. Be sure to insure the package.

Express. Place all papers in a stamped and sealed envelope inside the package. Date envelope and draw several lines across the stamp with ink. Your name and address should be on envelope, as well as on package.

Place original order papers and a letter of explanation in an envelope

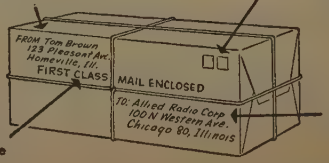


Put envelope inside your package



Print name and address as on original order

Postage for package plus postage for letter


FROM Tom Brown
123 Pleasant Ave.
Homeville, Ill.
FIRST CLASS MAIL ENCLOSED
TO: Allied Radio Corp.
100 N Western Ave.
Chicago 80, Illinois

Print this on package

Address package to Allied

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Each

$35.95

in pairs

$5 monthly

1-Watt Input For Far Greater Talk Power

$79.95

$5 monthly

NEW! 11-Transistor CB Walkie-Talkie With Built-In AM Radio

Crystal controlled Citizens Band transceiver gives you reliable 2-way communications. Meets FCC requirements for unlicensed operation—anyone can use them with no limitations. 11-transistor superhet circuit gives you extra-sharp reception. Super-sensitive radio section lets you listen in on the 540 to 1600 kc standard broadcast band. Big, full-toned 2¼" speaker; 57" telescoping whip antenna. Supplied with transmit and receive crystals for Channel 7 only; if another channel is desired order from crystal listing at bottom of page. Size, 7½x3x1⅞". Supplied complete with earphone, leather case. Less batteries (8 required), listed below. From Japan. Shpg. wt., 2½ lbs.

24 SC 161-G. ***$5 Monthly*** .... Each 37.95
SAVE $4.00 .... In Pairs, Each **35.95**
55 J 870-G. Batteries. Shpg. wt., 5 oz..... **Pkg. of 2 For 20¢**

NEW! Powerful 1-Watt Walkie-Talkie Featuring 2-Channel Operation

All-transistor walkie-talkie features husky 1-watt RF input—louder, clearer coverage than conventional 100-mw units. Two-channel crystal-controlled operation (supplied with crystals for Channel 7; order additional channel from crystal listings at bottom of page). Superhet receive section includes tuneable squelch control and built-in AVC circuit. Push-pull output in transmit section for maximum intelligibility. 13 transistors, one diode and one varistor. 3" speaker, 62" telescoping whip antenna. 8½x4x2¼". With earphone, leather case and strap. Less batteries (8 required) listed below From Japan. Shpg. wt., 3 lbs.

24 SC 160-G. ***$5 Monthly*** .... Each 79.95
55 J 870-G. Batteries. Shpg. wt., 5 oz....... **Pkg. of 2 For 20¢**
24 SC 159-G. AC Adapter. Allows use of above unit with 110-volt AC outlet. Shpg. wt., 4 lbs. **14.95**

10-Transistor Walkie-Talkie

Each

$33.95

- Crystal-Controlled
- Noise Limiter
- Superhet Receiver

$5 monthly

Provides reliable CB communications. Carefully engineered circuit; 10 transistors, varistor, thermistor. Has 100-mw transmitter; superhet receiver section. Push-to-talk and Noise Limiter switches, 2¼" speaker/mike. Meets FCC regulation—needs no license. 7 x 2⅝ x 1½". With earphone, telescoping whip antenna, case, crystals for Channel 7 only; if another channel is desired order from crystal listing at bottom of page. Less batteries (uses 8), below. From Japan. Shpg. wt., 1½ lbs.

24 SC 175-G. ...... Each 33.95
55 J 870-G. Batteries. Shpg. wt., 5 oz. .... **Pkg. of 2 For 20¢**

9-Transistor Walkie-Talkie

Per Pair

$59.95

- Crystal-Controlled
- Battery Level Indicator on Panel

Available In Pairs Only

Superhet receiver with RF stage for improved sensitivity. Meets FCC 100-mw regulation—no license required. Level indicator in volume control on front panel warns you when battery is running low. Push-to-talk switch, full tone 2¼" speaker/mike, 59" telescoping whip, phone jack. 6⅞x2⅞x1½". With battery, earphone, strap, crystals for channel 9 only; if another channel is desired, order from crystal listings below. From Japan. Shpg. wt., 4 lbs.

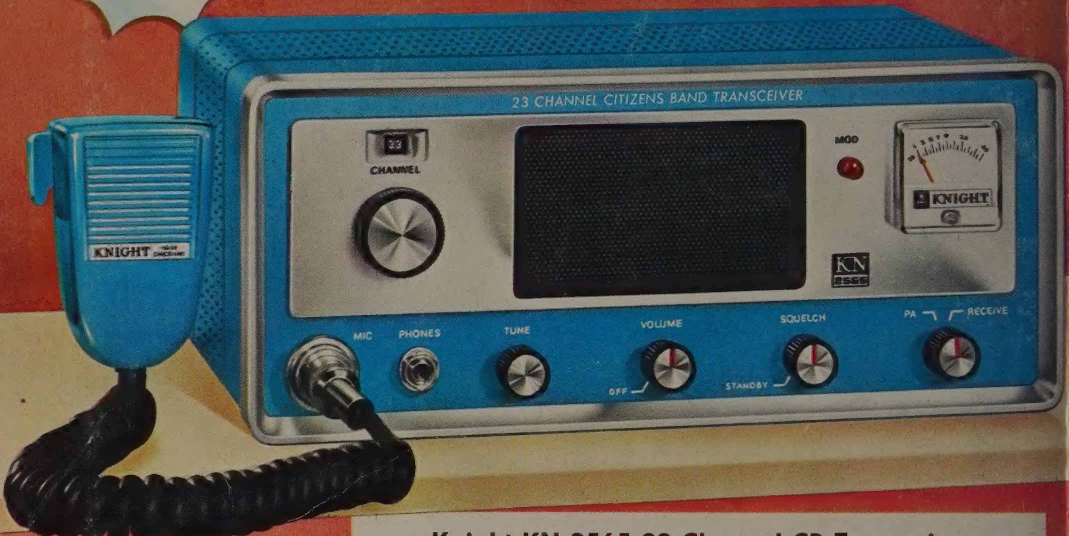
$5 Monthly
24 SC 162-G. ... Per Pair 59.95
55 J 999-G. Batteries. Shpg. wt., 5 oz. .... **Pkg. of 3 for 79¢**

90 SS 353. Transmitting Crystal. *Specify Channel.* 3 oz........ **2.50**
90 SS 375. Receiving Crystal. *Specify Channel.* 3 oz.......... **2.50**

23

New KNIGHT® Deluxe 23-Channel Citizen Band Transceiver

ALL CRYSTALS SUPPLIED—NOTHING ELSE TO BUY!



Knight KN-2565 23-Channel CB Transceiver

FINEST EVER AVAILABLE AT THIS PRICE

- Performance Superior to Units Selling for Much More
- Selective Dual Conversion Receiver Has Sensitivity of 0.5 μv or Better
- Receiver Delta Tuning Circuit Brings In Stations ±3 kc Off Frequency
- Adjustable Squelch with Standby Switch Silences Receiver Between Calls
- 5-Watt Transmitter Section Has Press-to-Talk Noise-Cancelling Mike
- Built-In Transistorized Power Supply for 115 VAC and 12 VDC Operation

Presenting our finest Citizens Band transceiver! The new Knight KN-2565 offers features that bring you better performance and greater dollar value than ever before possible at this low price. Comes to you ready to operate on all 23 CB channels—frequency synthesis circuit provides fully crystal-controlled transmitting and receiving—absolutely no extra crystals to buy. No tuning, no fumbling—you merely turn the selector switch to the desired channel. An illuminated window indicates channel in use, and you always transmit and receive on the same channel.

Selective dual-conversion superhet receiver section offers sensitivity of 0.5 μv or better. Delta receiver tuning circuit brings in stations that are ±3 kc off-frequency. Adjustable squelch with standby position silences receiver between calls. Also has noise limiter, AVC. Powerful 5-watt transmitter section offers 100% modulation capability, has noise-cancelling press-to-talk mike, modulation indicator light. Illuminated meter reads relative RF output and signal strength in S-units.

Simply turn front-panel switch to use the KN-2565 as a powerful 2.5-watt P.A. amplifier (with optional speaker, see below). In P.A. function, modulation indicator lamp monitors your channel while you page—lights when another station calls on your channel. Built-in transistorized power supply permits economical 115 VAC fixed-station and low-drain 12 VDC mobile operation. Handsome blue and brushed aluminum cabinet, 7½x13⅜x5½". With AC and DC power cords, mike, coiled cord, crystals for 23 channels, mobile mounting clips. Shpg. wt., 15 lbs.

86 SX 568-G. *$9 monthly* **169.95**

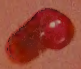
57 DX 819-G. E-VPA-7 Weatherproof Horn Speaker. For above. Mount anywhere, use indoors or outdoors 120° dispersion, 3¼ lbs........ **16.67**

$\$169^{95}$

$9 monthly

CHECK THESE FEATURES:

Frequency Synthesis for Full Crystal Control on All 23 CB Channels



Modulation Indicator Also Monitors Channel While You Page—Lights When Another Station Calls on Your Channel

PA/Transceiver Switch Lets You Select CB or Public Address Function with Optional Paging Speaker

Illuminated Meter Reads Relative RF Output and Signal Strength in S-Units